

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

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

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

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2108248771 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                                                                       |                                                 |
|-----------------------------------------------------------------------|-------------------------------------------------|
| Responsible Party Solaris Water                                       | OGRID 371643                                    |
| Contact Name Rob Kirk                                                 | Contact Telephone O 432-203-9020 C 469-978-5620 |
| Contact email rob.kirk@solariswater.com                               | Incident # (assigned by OCD)                    |
| Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706 |                                                 |

### Location of Release Source

Latitude 32.65298 Longitude -104.16948  
(NAD 83 in decimal degrees to 5 decimal places)

|                                     |                      |
|-------------------------------------|----------------------|
| Site Name Palmilla to State HU Line | Site Type Pipeline   |
| Date Release Discovered 03/22/21    | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D           | 22      | 19 S     | 28 E  | Eddy   |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: NM State Land)

### 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"/> Produced Water | Volume Released (bbls) 125                                                     | Volume Recovered (bbls) 50                                          |
|                                                    | 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

During the construction of the permanent poly pipeline, a temporary lay-flat hose that was being used as a bypass failed causing the release. Pump pressure alarms successfully alerted operators and the line was shut stopping the release. The hose was taken out of service.

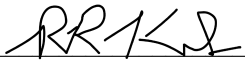
## Oil Conservation Division

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|                                                                                                                                                                                                         |                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                   | If YES, for what reason(s) does the responsible party consider this a major release?<br><br>Calculations of volumes, the size of the pipeline/lay-flat hose, the amount of time to close the line, and the area impacted. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>This completed Form C-141 was uploaded to the NMOCD web portal on 03/23/21 by Rob Kirk. |                                                                                                                                                                                                                           |

### 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.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><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:<br><br>Remaining free liquids have absorbed into the soil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
| 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>Rob Kirk</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Title: <u>VP &amp; GM HSE &amp; Compliance</u>  |
| Signature: <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date: <u>03/23/21</u>                           |
| email: <u>rob.kirk@solariswater.com</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Telephone: <u>O 432-203-9020 C 469-978-5620</u> |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 |
| Received by: <u>Ramona Marcus</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>4/16/2021</u>                          |

|                |  |
|----------------|--|
| Incident ID    |  |
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| 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 <b>not</b> 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.

## Oil Conservation Division

|                |  |
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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: RR Paul Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



|                |  |
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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: RR Paul Date: 03/10/2022  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 03/14/2022

## SITE INFORMATION

### Report Type: Work Plan NAPP2108248771

#### General Site Information:

|                             |                                                                                                                                                                                                                                                                        |         |       |            |  |  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------------|--|--|
| Site:                       | Palmilla to State HU Line                                                                                                                                                                                                                                              |         |       |            |  |  |
| Company:                    | Solaris Water Midstream, LLC                                                                                                                                                                                                                                           |         |       |            |  |  |
| Section, Township and Range | Unit D                                                                                                                                                                                                                                                                 | Sec. 22 | T 19S | R 28E      |  |  |
| Lease Number:               |                                                                                                                                                                                                                                                                        |         |       |            |  |  |
| County:                     | Eddy County                                                                                                                                                                                                                                                            |         |       |            |  |  |
| GPS:                        | 32.65298                                                                                                                                                                                                                                                               |         |       | -104.16948 |  |  |
| Surface Owner:              | State                                                                                                                                                                                                                                                                  |         |       |            |  |  |
| Mineral Owner:              |                                                                                                                                                                                                                                                                        |         |       |            |  |  |
| Directions:                 | From intersection 229 & 235, travel south for 3.11 miles. Turn right onto lease road (hillbilly road), follow for 0.58 miles. Turn right onto lease road, follow for 0.96 miles. Turn right onto lease road, follow for 0.33 miles, origin of release located on left. |         |       |            |  |  |
|                             |                                                                                                                                                                                                                                                                        |         |       |            |  |  |
|                             |                                                                                                                                                                                                                                                                        |         |       |            |  |  |
|                             |                                                                                                                                                                                                                                                                        |         |       |            |  |  |

#### Release Data:

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Date Released:</b>           | 3/22/2021                      |
| <b>Type Release:</b>            | Produced Water                 |
| <b>Source of Contamination:</b> | Failed temporary lay flat line |
| <b>Fluid Released:</b>          | 125 bbl                        |
| <b>Fluids Recovered:</b>        | 50 bbl                         |

#### Official Communication:

|                      |                                                                                  |  |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|
| <b>Name:</b>         | Rob Kirk                                                                         |  | Clair Gonzales                                                                   |
| <b>Company:</b>      | Solaris Water Midstream, LLC                                                     |  | Tetra Tech                                                                       |
| <b>Address:</b>      | 907 Tradewinds Blvd,                                                             |  | 901 West Wall Street                                                             |
|                      | Ste B                                                                            |  | Suite 100                                                                        |
| <b>City:</b>         | Midland, Texas 79706                                                             |  | Midland, Texas                                                                   |
| <b>Phone number:</b> | (469) 978-5620                                                                   |  | (432) 682-4559                                                                   |
| <b>Fax:</b>          |                                                                                  |  |                                                                                  |
| <b>Email:</b>        | <a href="mailto:rob.kirk@solarismidstream.com">rob.kirk@solarismidstream.com</a> |  | <a href="mailto:Clair.Gonzales@tetrattech.com">Clair.Gonzales@tetrattech.com</a> |

#### Site Characterization

|                              |                       |
|------------------------------|-----------------------|
| <b>Depth to Groundwater:</b> | 246.38' Below Surface |
| <b>Karst Potential:</b>      | Low                   |

#### Recommended Remedial Action Levels (RRALs)

| <b>Benzene</b> | <b>Total BTEX</b> | <b>TPH (GRO+DRO)</b> | <b>TPH (GRO+DRO+MRO)</b> | <b>Chlorides</b> |
|----------------|-------------------|----------------------|--------------------------|------------------|
| 10 mg/kg       | 50 mg/kg          | 1,000 mg/kg          | 2,500 mg/kg              | 10,000 mg/kg     |

**TETRA TECH**

February 10, 2022

Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Work Plan for the Solaris Water Midstream, LLC (Solaris), Palmilla to State HU Line, Unit D, Section 22, Township 19 South, Range 28 East, Eddy County, New Mexico.  
NAPP2108248771**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by Solaris Water Midstream, LLC (Solaris) to assess a release that occurred at the Palmilla to State HU Line, Unit D, Section 22, Township 19 South, Range 28 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.65298°, -104.16948°. 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 March 22, 2021 and released approximately 125 barrels of produced water due to a failed temporary lay-flat hose. Approximately 50 barrels of produced water were recovered. The release impacted an area in the pasture measuring approximately 1,800' x 30'. The initial 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, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is in a low karst potential area. The nearest well is listed on the USGS National Water Information data base in Section 9, approximately 1.56 miles northwest of the site and has a reported depth to groundwater of 246.38' below surface. The groundwater data is shown in Appendix B.

## **Depth to Water Determination**

On January 10, 2022, Vision Resources, Inc was onsite to drill a groundwater determination borehole to 115' below ground surface and within a ½ mile radius of the

**Tetra Tech**

901 W. Wall Street, Suite 100, Midland, TX 79701

Tel 432.682.4559 [www.tetrattech.com](http://www.tetrattech.com)

**TETRA TECH**

location. The borehole was left open for 72 hours and checked for the presence of groundwater. No water was detected in the borehole at 115' below surface. The borehole coordinates are 32.652972°, -104.169472°. The Well Record & Log, Plugging Record, and borehole figure is shown 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 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, beyond the top 4.0' of soil, the proposed RRAL for TPH is 1,000 mg/kg (GRO + DRO) or 2,500 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, beyond the top 4.0' of soil, the proposed RRAL for chlorides is 10,000 mg/kg.

## Soil Assessment

Tetra Tech personnel were onsite on April 9, 2021, to investigate and sample the release area. A total of thirty (30) auger holes (AH-1 through AH-30) were installed to total depths ranging between surface and 4'-4.5' below surface. 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. The release area and sample locations are shown in Figures 3A and 3B.

Referring to Table 1, none of the samples collected showed benzene or total BTEX concentrations above the RRALs. However, the area of auger hole (AH-29) showed TPH concentrations above the RRALs, with concentrations ranging from 154 mg/kg to 278 mg/kg, at depths ranging from surface to 1.5' below surface. The areas of auger holes (AH-1 through AH-11, AH-17, AH-20 through AH-24, and AH-26 through AH-30) showed chloride concentrations above the RRALs, with concentrations ranging from 792 mg/kg to 90,400 mg/kg, with depths ranging from surface to 4.0' below surface. The areas of auger holes (AH-4, AH-7, AH-11, AH-17, AH-23, and AH-26 through AH-29) were not vertically delineated at the time of assessment but will be delineated during remediation activities.

## Work Plan

Based on the laboratory results, and the installed groundwater determination bore, Solaris will remediate the areas of auger holes (AH-1, AH-22, AH-23, and AH-24) to a depth of 1.0' below surface, the area of auger hole (AH-17) to a depth of 2.0' below surface, the areas of auger holes (AH-3 through AH-5) to a depth of 3.0' below surface, and the areas of auger holes (AH-2, AH-6 through AH-11, AH-20, AH-21, and AH-26 through AH-30) to a depth of 4.0' below surface. The proposed excavation depths and areas are shown on Figures 4, 4A, and 4B. Solaris will collect bottom hole and sidewall confirmation samples every 1,000 square feet to ensure concentrations are reported below the determined RRALs. The C-141



**TETRA TECH**

is enclosed in Appendix A. If you have any questions or comments concerning the assessment for this site, please call at (432) 682-4559.

Respectfully submitted,  
TETRA TECH



Brittany Long,  
Project Manager



Clair Gonzales, P.G.,  
Senior Project Manager

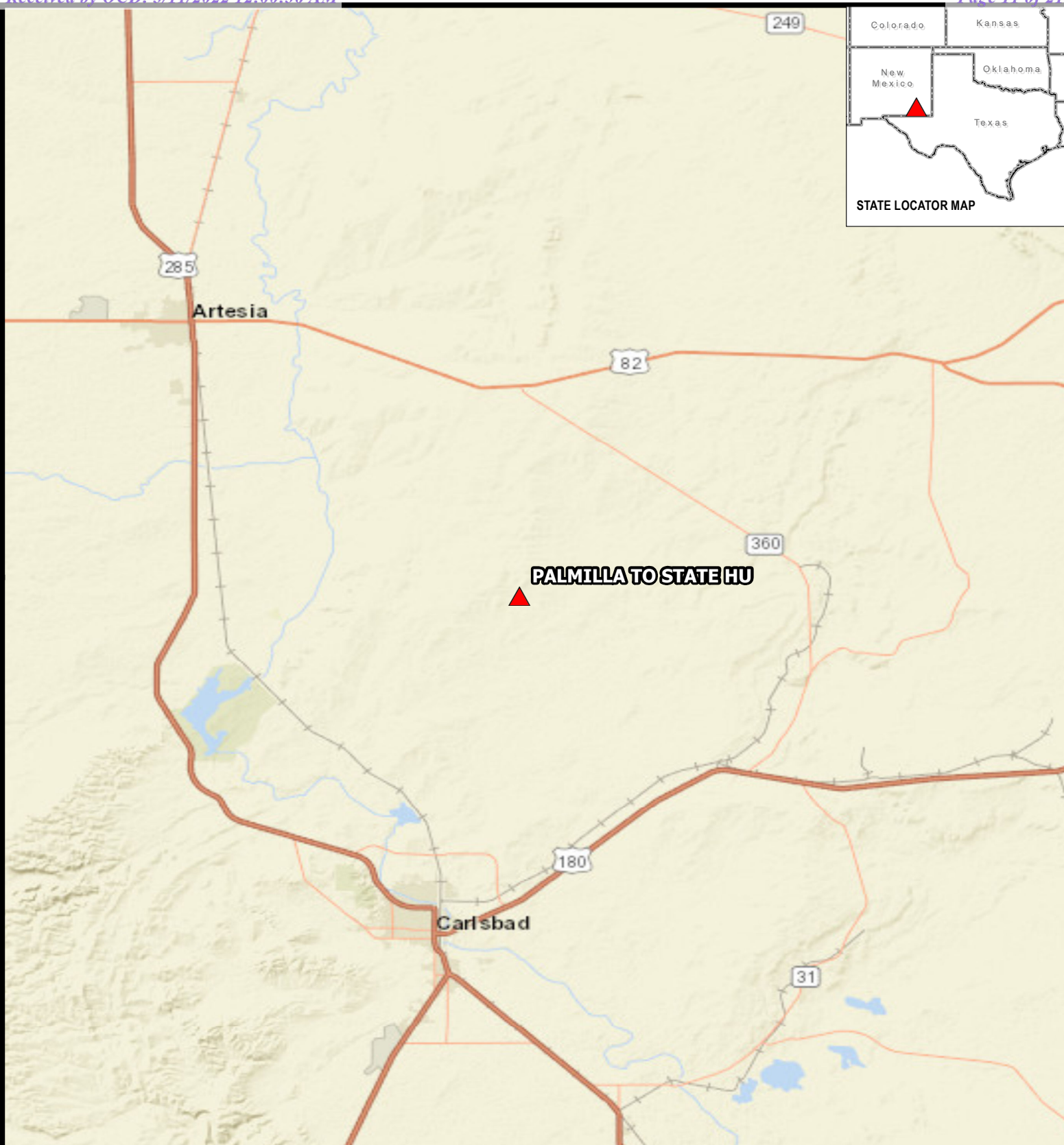
cc: Rob Kirk – Solaris



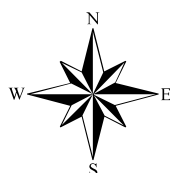
## Figures

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▲ SITE LOCATION



0 4 8 Miles  
Approximate Scale

OVERVIEW MAP  
PALMILLA TO STATE HU LINE  
Property located at coordinates 32.650800°, -104.169921°  
EDDY COUNTY, NEW MEXICO

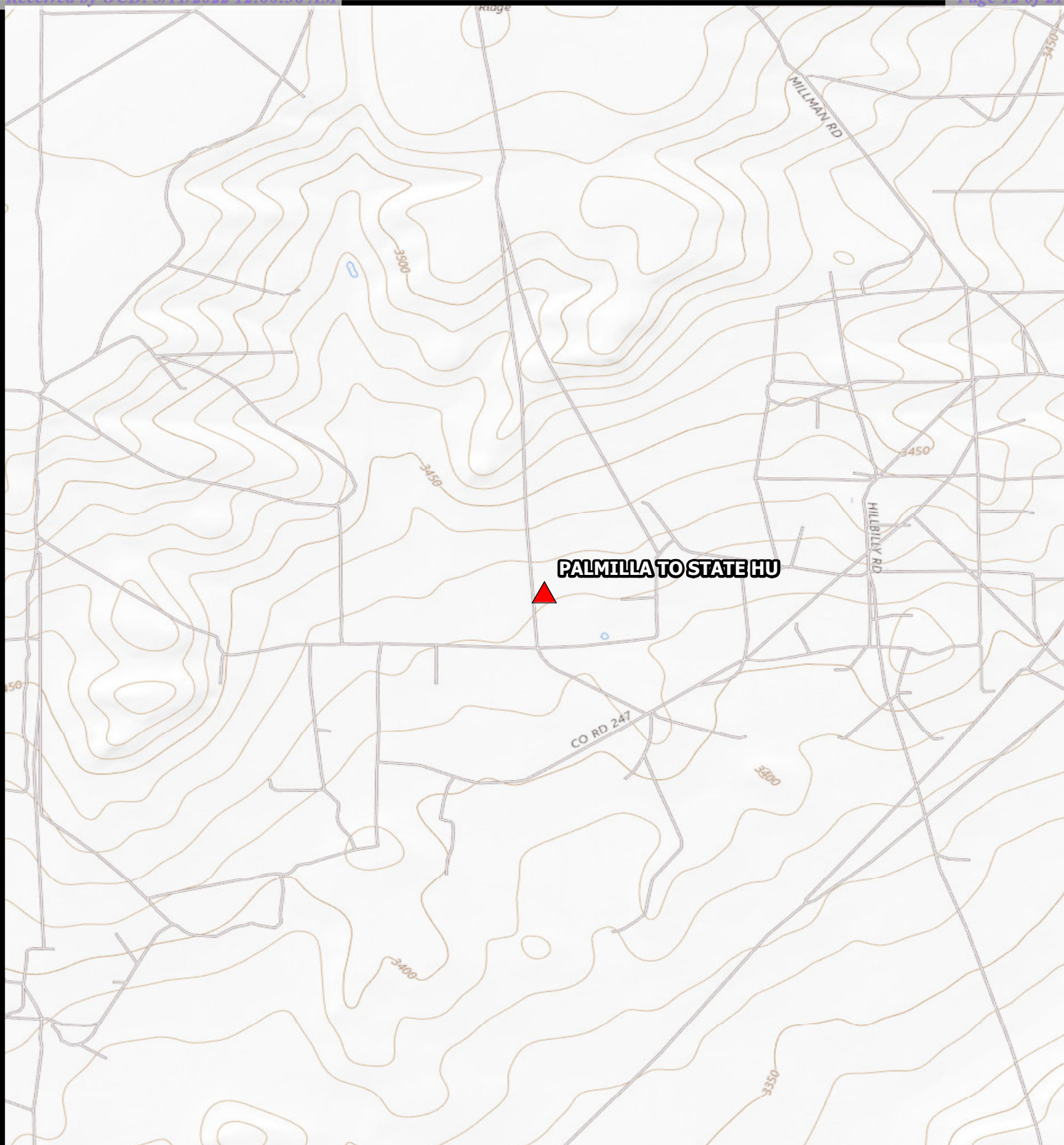


Project #:  
212C-MD-02473

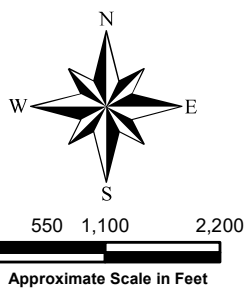
FIGURE  
1

Service Layer Credits: ESRI Basemap - Streets, 2021.





▲ SITE LOCATION



Service Layer Credits: USGS, The National Map,  
Topo Base, 2021.

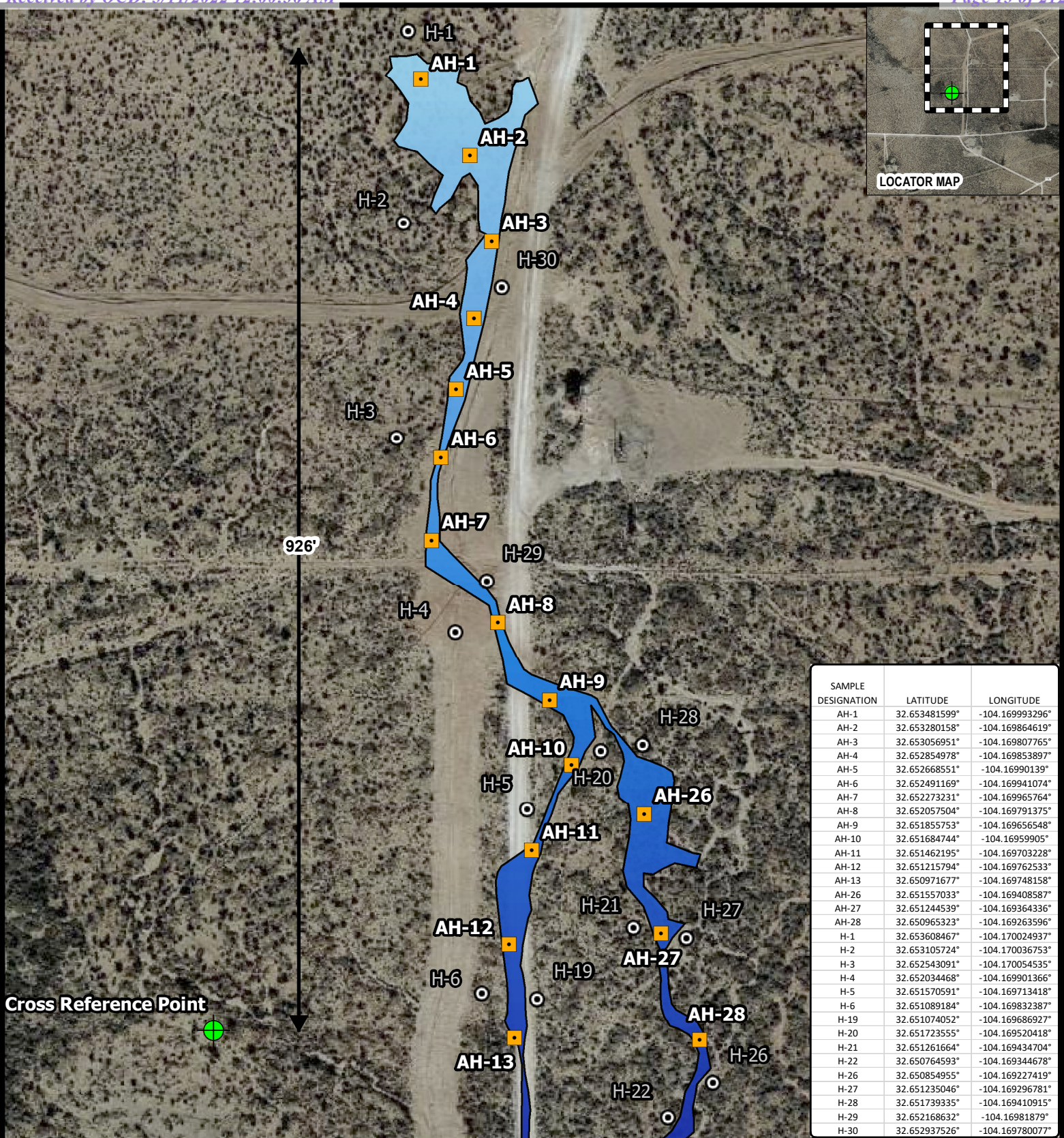
TOPOGRAPHIC MAP  
PALMILLA TO STATE HU LINE  
Property located at coordinates 31.650800°, -104.169921°  
EDDY COUNTY, NEW MEXICO



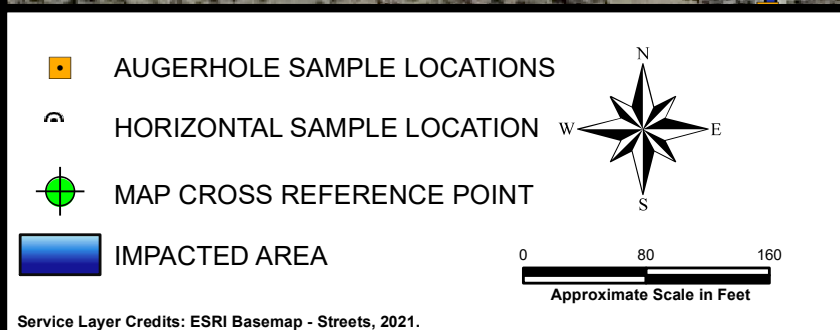
Project #:  
212C-MD-02473

FIGURE  
2





| SAMPLE DESIGNATION | LATITUDE      | LONGITUDE       |
|--------------------|---------------|-----------------|
| AH-1               | 32.653481599° | -104.169993296° |
| AH-2               | 32.653280158° | -104.169864619° |
| AH-3               | 32.653056951° | -104.169807765° |
| AH-4               | 32.652854978° | -104.169853897° |
| AH-5               | 32.652668551° | -104.16990139°  |
| AH-6               | 32.652491169° | -104.169941074° |
| AH-7               | 32.652273231° | -104.169965764° |
| AH-8               | 32.652057504° | -104.169791375° |
| AH-9               | 32.651855753° | -104.169656548° |
| AH-10              | 32.651684744° | -104.16959905°  |
| AH-11              | 32.651462195° | -104.169703228° |
| AH-12              | 32.651215794° | -104.169762533° |
| AH-13              | 32.650971677° | -104.169748158° |
| AH-26              | 32.651557033° | -104.169408587° |
| AH-27              | 32.651244539° | -104.169364336° |
| AH-28              | 32.650965323° | -104.169263596° |
| H-1                | 32.653608467° | -104.170024937° |
| H-2                | 32.653105724° | -104.170036753° |
| H-3                | 32.652543091° | -104.170054535° |
| H-4                | 32.652034468° | -104.169901366° |
| H-5                | 32.651570591° | -104.169713418° |
| H-6                | 32.651089184° | -104.169832387° |
| H-19               | 32.651074052° | -104.169686927° |
| H-20               | 32.651723555° | -104.169520418° |
| H-21               | 32.651261664° | -104.169434704° |
| H-22               | 32.650764593° | -104.169344678° |
| H-26               | 32.650854955° | -104.169227419° |
| H-27               | 32.651235046° | -104.169296781° |
| H-28               | 32.651739335° | -104.169410915° |
| H-29               | 32.652168632° | -104.16981879°  |
| H-30               | 32.652937526° | -104.169780077° |

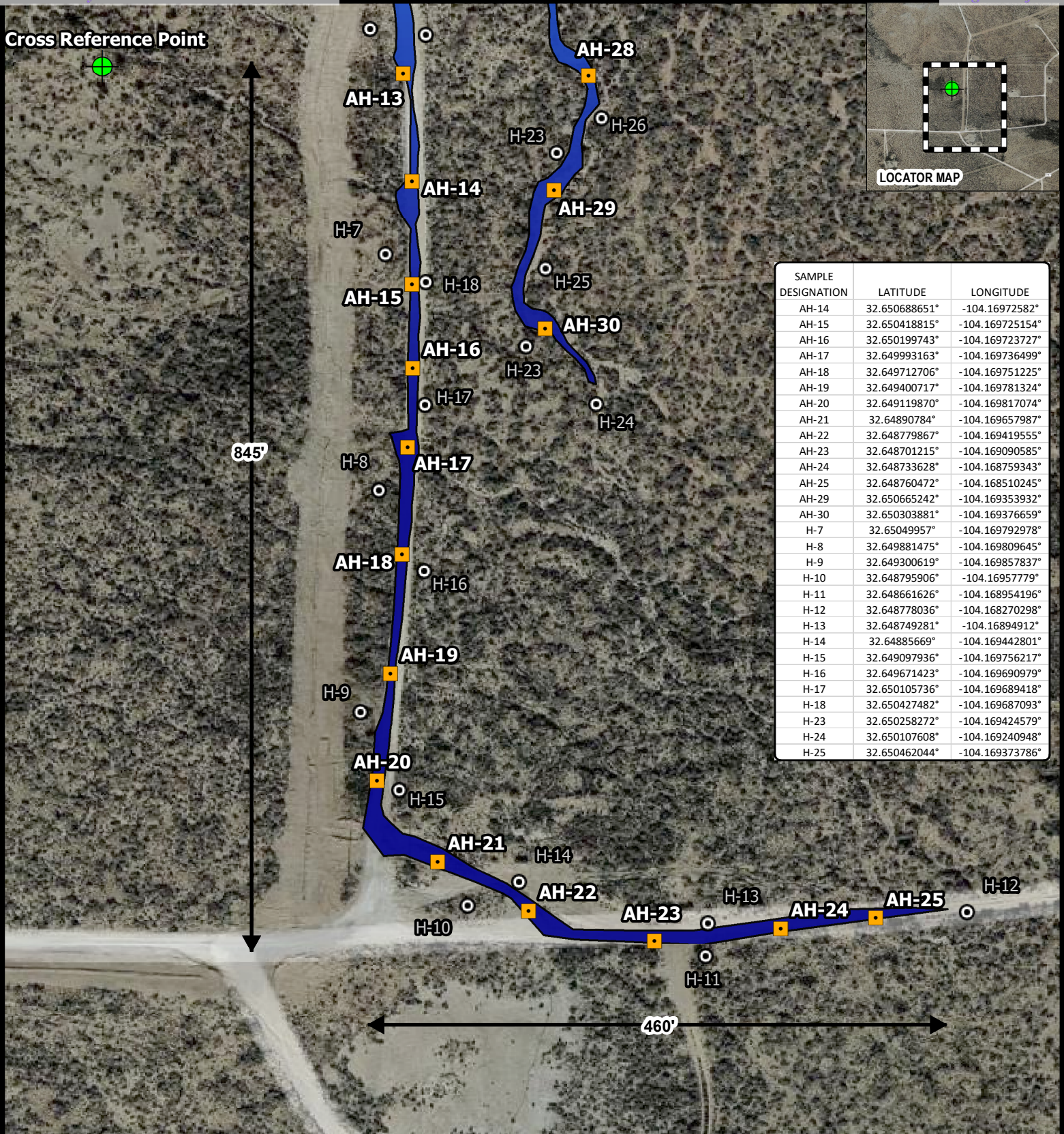


OVERVIEW MAP  
 PALMILLA TO STATE HU LINE  
 Property located at coordinates 32.650800°, -104.169921°  
 EDDY COUNTY, NEW MEXICO

Project #:  
212C-MD-02473

**FIGURE 3-A**





| SAMPLE DESIGNATION | LATITUDE      | LONGITUDE       |
|--------------------|---------------|-----------------|
| AH-14              | 32.650688651° | -104.16972582°  |
| AH-15              | 32.650418815° | -104.169725154° |
| AH-16              | 32.650199743° | -104.169723727° |
| AH-17              | 32.649993163° | -104.169736499° |
| AH-18              | 32.649712706° | -104.169751225° |
| AH-19              | 32.649400717° | -104.169781324° |
| AH-20              | 32.649119870° | -104.169817074° |
| AH-21              | 32.64890784°  | -104.169657987° |
| AH-22              | 32.648779867° | -104.169419555° |
| AH-23              | 32.648701215° | -104.169090585° |
| AH-24              | 32.648733628° | -104.168759343° |
| AH-25              | 32.648760472° | -104.168510245° |
| AH-29              | 32.650665242° | -104.169353932° |
| AH-30              | 32.650303881° | -104.169376659° |
| H-7                | 32.65049957°  | -104.169792978° |
| H-8                | 32.649881475° | -104.169809645° |
| H-9                | 32.649300619° | -104.169857837° |
| H-10               | 32.648795906° | -104.16957779°  |
| H-11               | 32.648661626° | -104.168954196° |
| H-12               | 32.648778036° | -104.168270298° |
| H-13               | 32.648749281° | -104.16894912°  |
| H-14               | 32.64885669°  | -104.169442801° |
| H-15               | 32.649097936° | -104.169756217° |
| H-16               | 32.649671423° | -104.169690979° |
| H-17               | 32.650105736° | -104.169689418° |
| H-18               | 32.650427482° | -104.169687093° |
| H-23               | 32.650258272° | -104.169424579° |
| H-24               | 32.650107608° | -104.169240948° |
| H-25               | 32.650462044° | -104.169373786° |

■ AUGERHOLE SAMPLE LOCATIONS  
○ HORIZONTAL SAMPLE LOCATION  
⊕ MAP CROSS REFERENCE POINT  
 IMPACTED AREA

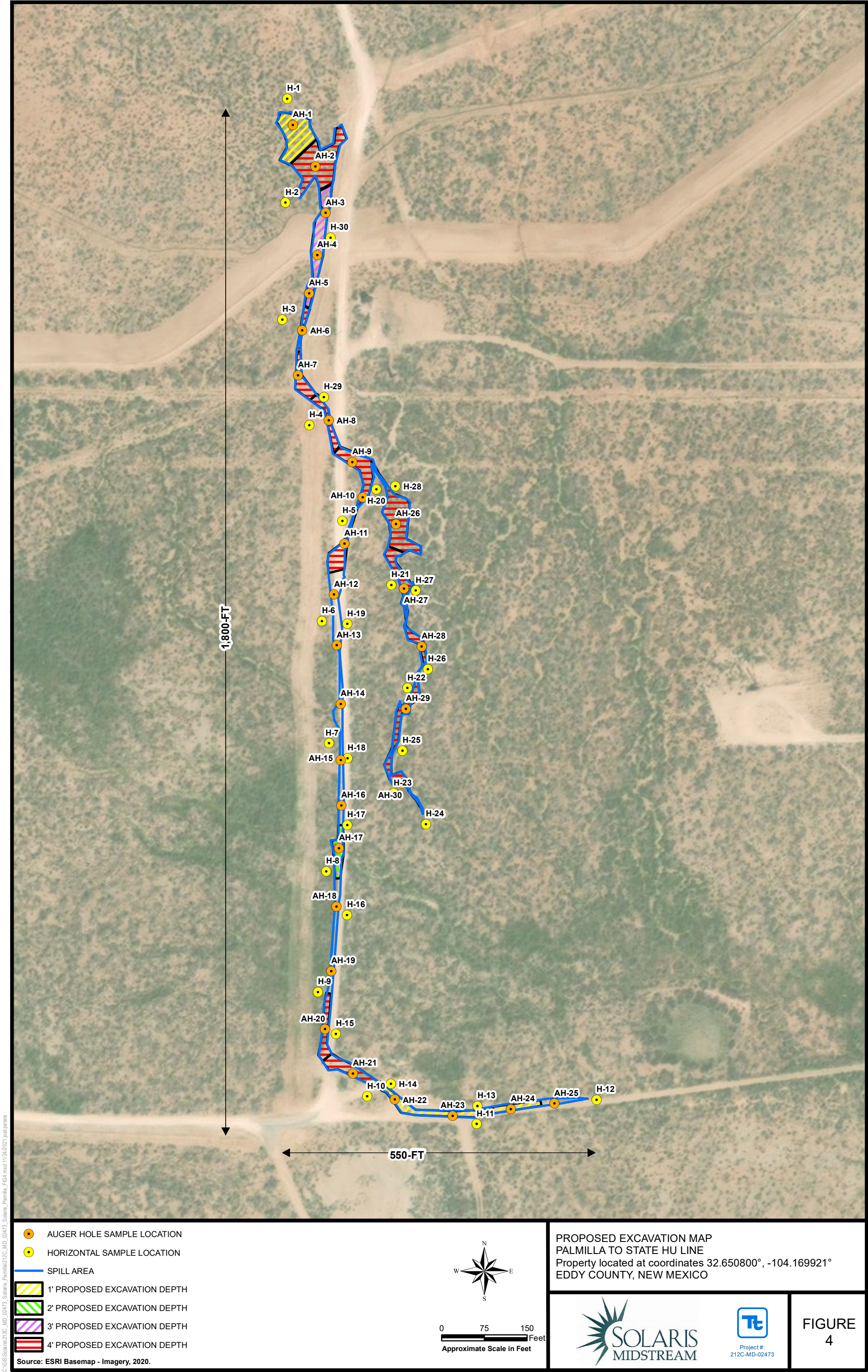
Approximate Scale in Feet

**OVERVIEW MAP**  
 PALMILLA TO STATE HU LINE  
 Property located at coordinates 32.650800°, -104.169921°  
 EDDY COUNTY, NEW MEXICO

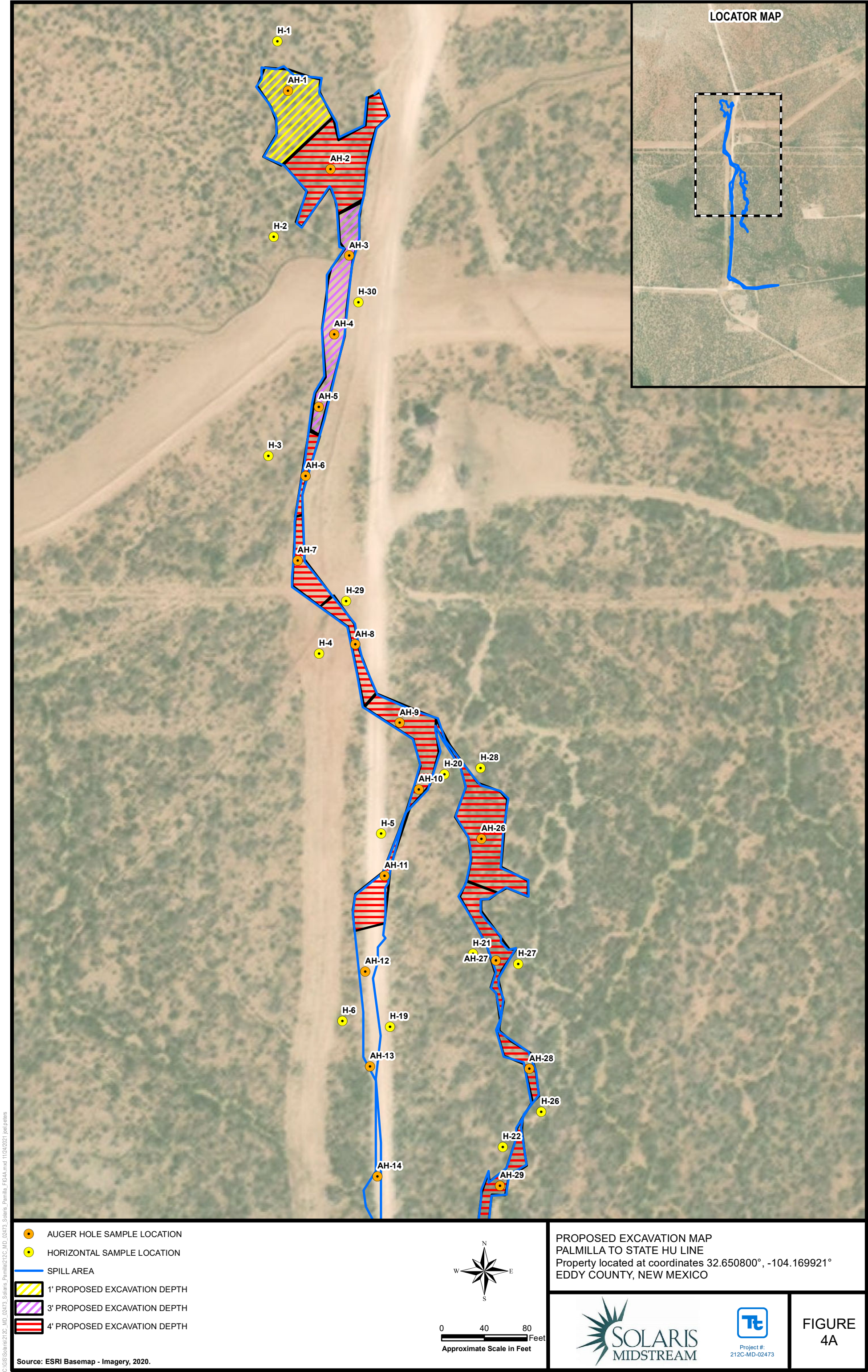
Project #: 212C-MD-02473

**FIGURE 3-B**

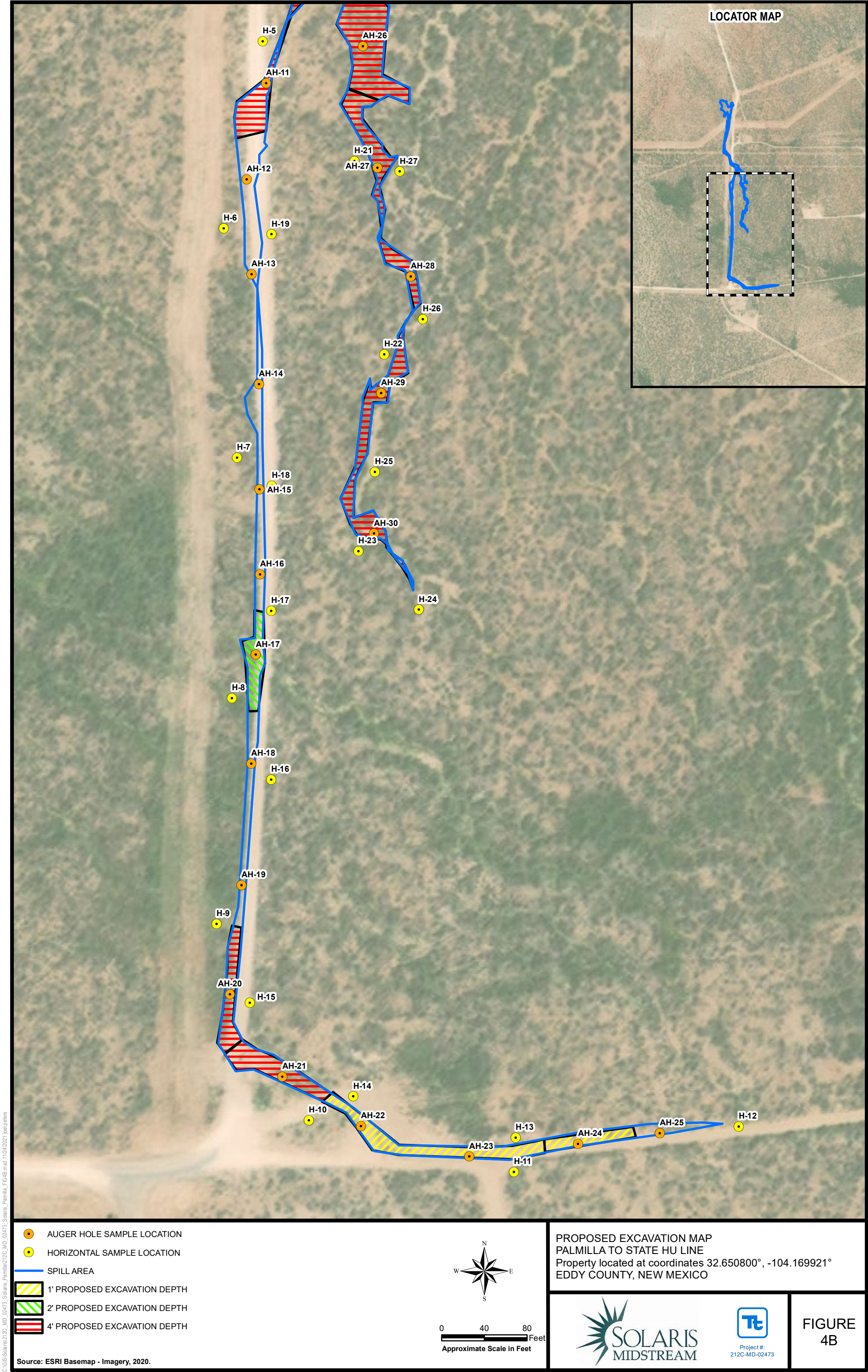
















## Tables

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**Table 1**  
**Solaris Midstream**  
**Palmilla to State HU Line**  
**Eddy 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 | DRO         | GRO   | ORO   | Total |                 |                 |                      |                |                    |                  |
| AH-1      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 2,720            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 107              |
| AH-2      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 6,110            |
|           | "           | 1-1.5             | -                     | X           |         | 61.3        | <49.9 | <49.9 | 61.3  | 0.00283         | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 9,170            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 12,200           |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 8,110            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 5,300            |
| AH-3      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 7,300            |
|           | "           | 1-1.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 9,060            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 5,880            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 425              |
| AH-4      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 6,900            |
| AH-5      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 7,590            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 8,380            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,920            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 410              |
| AH-6      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 7,750            |
|           | "           | 1-1.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 8,230            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 8,470            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 9,620            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,840            |
| AH-7      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 90,400           |
|           | "           | 1-1.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 10,400           |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 1,240            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 2,400            |

**Table 1**  
**Solaris Midstream**  
**Palmilla to State HU Line**  
**Eddy 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 | DRO         | GRO   | ORO   | Total |                 |                 |                      |                |                    |                  |
| AH-8      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00400       | <0.00400           | 8,310            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 11,300           |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 10,400           |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,240            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 792              |
| AH-9      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 12,900           |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 18,100           |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 7,770            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 4,480            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 2,900            |
| AH-10     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 9,230            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 13,200           |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 5,800            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 3,950            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 1,250            |
| AH-11     | 4/14/2021   | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 3,780            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 10,400           |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 8,740            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,740            |
| AH-12     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 214              |
| AH-13     | 4/9/2021    | 0-0.5             | -                     | X           |         |             |       |       |       |                 |                 |                      |                |                    |                  |
| AH-14     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 18.6             |
|           | "           | 1-1.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 16.0             |
| AH-15     | 4/9/2021    | 0-0.5             | -                     | X           |         | 60.6        | <49.9 | <49.9 | 60.6  | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 32.7             |
|           | "           | 1-1.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 65.2             |
| AH-16     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 58.8             |



**Table 1**  
**Solaris Midstream**  
**Palmilla to State HU Line**  
**Eddy 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 | DRO         | GRO   | ORO   | Total |                 |                 |                      |                |                    |                  |
| AH-17     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 7,040            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 1,800            |
| AH-18     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 29.4             |
| AH-19     | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 89.7             |
| AH-20     | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 696              |
|           | "           | 1-1.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 6,960            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 2,450            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 891              |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 506              |
| AH-21     | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 12,500           |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 5,620            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,470            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 8,250            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 5,950            |
| AH-22     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 7,370            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 292              |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 204              |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 154              |
| AH-23     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00400       | <0.00400           | 8,680            |
| AH-24     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 2,370            |
|           | "           | 1-1.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 340              |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 266              |
| AH-25     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 17.3             |
| AH-26     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 6,930            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 7,870            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 7,780            |

**Table 1**  
**Solaris Midstream**  
**Palmilla to State HU Line**  
**Eddy County, New Mexico**

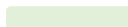
| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (in) | Soil Status |         | TPH (mg/kg) |       |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|           |             |                   |                       | In-Situ     | Removed | DRO         | GRO   | ORO   | Total |                 |                 |                      |                |                    |                  |
| AH-27     | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 4,110            |
|           | "           | 1-1.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 5,180            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,880            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 9,710            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 9,280            |
| AH-28     | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 4,650            |
|           | "           | 1-1.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 7,330            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,720            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 7,450            |
| AH-29     | 4/9/2021    | 0-0.5             | -                     | X           |         | 202         | <50.0 | 75.5  | 278   | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 9,140            |
|           | "           | 1-1.5             | -                     | X           |         | 103         | 50.7  | <50.0 | 154   | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 7,000            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,500            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 2,210            |
| AH-30     | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 2,970            |
|           | "           | 1-1.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 8,750            |
|           | "           | 2-2.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,120            |
|           | "           | 3-3.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,310            |
|           | "           | 4-4.5             | -                     | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 6,660            |
| H-1       | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 92.1             |
| H-2       | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 6.06             |
| H-3       | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 8.13             |
| H-4       | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 108              |
| H-5       | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 242              |
| H-6       | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 12.9             |
| H-7       | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 32.4             |
| H-8       | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 12.0             |



**Table 1**  
**Solaris Midstream**  
**Palmilla to State HU Line**  
**Eddy 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 | DRO         | GRO   | ORO   | Total |                 |                 |                      |                |                    |                  |
| H-9       | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 29.3             |
| H-10      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 14.6             |
| H-11      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 20.4             |
| H-12      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 66.5             |
| H-13      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 27.7             |
| H-14      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 13.9             |
| H-15      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 36.6             |
| H-16      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 6.05             |
| H-17      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 87.8             |
| H-18      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 33.5             |
| H-19      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 24.2             |
| H-20      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 8.45             |
| H-21      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 12.4             |
| H-22      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | 0.00222         | 0.00382         | <0.00202             | <0.00403       | 0.00604            | 5.84             |
| H-23      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 12.9             |
| H-24      | 4/9/2021    | 0-0.5             | -                     | X           |         | <49.9       | <49.9 | <49.9 | <49.9 | 0.00379         | 0.00456         | 0.00218              | <0.00402       | 0.0105             | 12.3             |
| H-25      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 10.7             |
| H-26      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 5.68             |
| H-27      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 13.6             |
| H-28      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 8.98             |
| H-29      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 40.4             |
| H-30      | 4/9/2021    | 0-0.5             | -                     | X           |         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 24.8             |

( - ) Not Analyzed

 Proposed Excavations



# Photographic Documentation

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Solaris Water Midstream, LLC  
Palmilla to State HU Line  
Eddy County, New Mexico



View of Assessment Activities – View Southwest



View of Assessment Activities – View West



# Appendix A

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C-141 Document

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

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

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

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2108248771 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                                                                       |                                                 |
|-----------------------------------------------------------------------|-------------------------------------------------|
| Responsible Party Solaris Water                                       | OGRID 371643                                    |
| Contact Name Rob Kirk                                                 | Contact Telephone O 432-203-9020 C 469-978-5620 |
| Contact email rob.kirk@solariswater.com                               | Incident # (assigned by OCD)                    |
| Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706 |                                                 |

### Location of Release Source

Latitude 32.65298 Longitude -104.16948  
(NAD 83 in decimal degrees to 5 decimal places)

|                                     |                      |
|-------------------------------------|----------------------|
| Site Name Palmilla to State HU Line | Site Type Pipeline   |
| Date Release Discovered 03/22/21    | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D           | 22      | 19 S     | 28 E  | Eddy   |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: NM State Land)

### 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"/> Produced Water | Volume Released (bbls) 125                                                     | Volume Recovered (bbls) 50                                          |
|                                                    | 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

During the construction of the permanent poly pipeline, a temporary lay-flat hose that was being used as a bypass failed causing the release. Pump pressure alarms successfully alerted operators and the line was shut stopping the release. The hose was taken out of service.



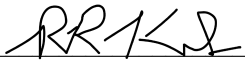
## Oil Conservation Division

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2108248771 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|                                                                                                                                                                                                         |                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                   | If YES, for what reason(s) does the responsible party consider this a major release?<br><br>Calculations of volumes, the size of the pipeline/lay-flat hose, the amount of time to close the line, and the area impacted. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>This completed Form C-141 was uploaded to the NMOCD web portal on 03/23/21 by Rob Kirk. |                                                                                                                                                                                                                           |

### 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.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><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:<br><br>Remaining free liquids have absorbed into the soil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
| 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>Rob Kirk</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Title: <u>VP &amp; GM HSE &amp; Compliance</u>  |
| Signature: <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date: <u>03/23/21</u>                           |
| email: <u>rob.kirk@solariswater.com</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Telephone: <u>O 432-203-9020 C 469-978-5620</u> |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 |
| Received by: <u>Ramona Marcus</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>4/16/2021</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 <b>not</b> 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 |  |

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## Appendix B

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Site Characterization Documents



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------|--------------------------------|
| 1. GENERAL AND WELL LOCATION                                                                                                                                                          | OSE POD NO. (WELL NO.)<br>POD1                                                                                                                                            |                           | WELL TAG ID NO.<br>none                                           |                                                                                        | OSE FILE NO(S)<br>CP-1896                                                     |                              |                                |
|                                                                                                                                                                                       | WELL OWNER NAME(S)<br>Solaris Water                                                                                                                                       |                           |                                                                   |                                                                                        | PHONE (OPTIONAL)<br>469-978-5620                                              |                              |                                |
|                                                                                                                                                                                       | WELL OWNER MAILING ADDRESS<br>3305 Boyd Drive                                                                                                                             |                           |                                                                   |                                                                                        | CITY<br>Carlsbad                                                              | STATE<br>NM                  |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        | ZIP<br>88220                                                                  |                              |                                |
| 2. DRILLING & CASING INFORMATION                                                                                                                                                      | WELL LOCATION (FROM GPS)                                                                                                                                                  | DEGREES<br>LATITUDE<br>32 | MINUTES<br>39                                                     | SECONDS<br>10.7                                                                        | N                                                                             |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           | LONGITUDE<br>104          | 10                                                                | 10.1                                                                                   | W                                                                             |                              |                                |
|                                                                                                                                                                                       | * ACCURACY REQUIRED: ONE TENTH OF A SECOND                                                                                                                                |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       | * DATUM REQUIRED: WGS 84                                                                                                                                                  |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>Well located at NW/4 NW/4 Section 22, T19S, R28E, NMPM |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
| 3. ANNULAR MATERIAL                                                                                                                                                                   | LICENSE NO.<br>WD 1690                                                                                                                                                    |                           | NAME OF LICENSED DRILLER<br>Jason Maley                           |                                                                                        | NAME OF WELL DRILLING COMPANY<br>Vision Resources, Inc.                       |                              |                                |
|                                                                                                                                                                                       | DRILLING STARTED<br>1/10/22                                                                                                                                               | DRILLING ENDED<br>1/10/22 | DEPTH OF COMPLETED WELL (FT)<br>no well constructed               | BORE HOLE DEPTH (FT)<br>115                                                            | DEPTH WATER FIRST ENCOUNTERED (FT)<br>dry hole,                               |                              |                                |
|                                                                                                                                                                                       | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)                           |                           |                                                                   |                                                                                        | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>no water measured 72-hours later |                              |                                |
|                                                                                                                                                                                       | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:                                        |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       | DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       | DEPTH (feet bgl)<br>FROM TO                                                                                                                                               |                           | BORE HOLE DIAM (inches)                                           | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter)                                | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) |
|                                                                                                                                                                                       | 0 115                                                                                                                                                                     |                           | 6.25                                                              | no casing, or annular material installed                                               |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
| DEPTH (feet bgl)<br>FROM TO                                                                                                                                                           |                                                                                                                                                                           | BORE HOLE DIAM. (inches)  | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL | AMOUNT (cubic feet)                                                                    | METHOD OF PLACEMENT                                                           |                              |                                |
| 0 115                                                                                                                                                                                 |                                                                                                                                                                           | 6.25                      | no casing or annular material installed                           |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |
|                                                                                                                                                                                       |                                                                                                                                                                           |                           |                                                                   |                                                                                        |                                                                               |                              |                                |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

|          |                 |             |
|----------|-----------------|-------------|
| FILE NO. | POD NO.         | TRN NO.     |
| LOCATION | WELL TAG ID NO. | PAGE 1 OF 2 |



## 6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

|                                                                                                      |                                                                  |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <div style="background-color: #e0e0ff; padding: 5px;">SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> | <div style="background-color: #e0e0ff; padding: 5px;">DATE</div> |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

Released to Imaging: 3/14/2022 11:31:33 AM



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1896

Well owner: Solaris Water

Phone No.: 469-978-5620

Mailing address: 3305 Boyd Drive

City: Carlsbad

State: NM

Zip code: 88220

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Vision Resources, Inc.
- 2) New Mexico Well Driller License No.: WD-1690 Expiration Date: 5/31/22
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jason Fine
- 4) Date well plugging began: 1/14/2022 Date well plugging concluded: 1/14/2022
- 5) GPS Well Location: Latitude: 32 deg, 39 min, 10.7 sec  
Longitude: 104 deg, 10 min, 10.1 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 107 ft below ground level (bgl),  
by the following manner: Weighted tape measure
- 7) Static water level measured at initiation of plugging: dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11/29/2021
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

| Depth<br>(ft bgl) | Plugging<br>Material Used<br>(include any additives used) | Volume of<br>Material Placed<br>(gallons)                                                                      | Theoretical Volume<br>of Borehole/ Casing<br>(gallons)                                                          | Placement<br>Method<br>(tremie pipe,<br>other)                              | Comments<br>("casing perforated first", "open<br>annular space also plugged", etc.)  |
|-------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 25                | ↑<br><br>3/8" Wyoming<br>Bentonite<br>Chips               | ① Placed<br>30 bags @<br>50 pounds each.<br>= 20.7 ft. <sup>3</sup><br><br>② Add 5 gallon<br>water per<br>sack | 6.25"<br>Borehole.<br>= 0.21 ft <sup>3</sup> /ft<br>= borehole<br>0 to 107'<br>= 22.47 ft <sup>3</sup><br>Total | Poured<br>from<br>Surface<br><br> <br><br>Add<br>Bentonite<br>Via<br>Tremie | Drilled<br>P&A 1/14/22<br>checked for water<br>72 hrs after drilling<br>borehole dry |
| 50                |                                                           |                                                                                                                |                                                                                                                 |                                                                             |                                                                                      |
| 75                |                                                           |                                                                                                                |                                                                                                                 |                                                                             |                                                                                      |
| 100               |                                                           |                                                                                                                |                                                                                                                 |                                                                             |                                                                                      |
| 125               | fill<br>Drilled to 115'<br>Caves to 107'                  |                                                                                                                |                                                                                                                 |                                                                             |                                                                                      |

| MULTIPLY    |   | BY     |   | AND OBTAIN |
|-------------|---|--------|---|------------|
| cubic feet  | x | 7.4805 | = | gallons    |
| cubic yards | x | 201.97 | = | gallons    |

### III. SIGNATURE:

I, Craig B. Farnish, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

Date



**GWDB Map**  
Solaris Midstream Water, LLC

**Legend**

-  1/2 Mile Radius
-  Borehole Location and Site Location







National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Explore the **NEW** [USGS National Water Dashboard](#) to access real-time data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

\* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 324022104105701

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 324022104105701 19S.28E.09.32322

Eddy County, New Mexico  
Latitude 32°40'23.4", Longitude 104°11'01.7" NAD83  
Land-surface elevation 3,544 feet above NAVD88  
The depth of the well is 365.00 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

| <a href="#">Table of data</a>      |
|------------------------------------|
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement | ?<br>Water-level<br>approval<br>status |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|----------------------------------------|
|            |      |                                           |                        |                                                     |                                                                   |                                 |             |                               |                          |                               |                                        |
| 1986-06-04 |      |                                           | D                      | 62610                                               | 3295.47                                                           | NGVD29                          |             |                               | S                        |                               | A                                      |
| 1986-06-04 |      |                                           | D                      | 62611                                               | 3297.03                                                           | NAVD88                          |             |                               | S                        |                               | A                                      |
| 1986-06-04 |      |                                           | D                      | 72019                                               | 246.97                                                            |                                 |             |                               | S                        |                               | A                                      |
| 1994-03-09 |      |                                           | D                      | 62610                                               | 3295.74                                                           | NGVD29                          | 3           |                               | S                        |                               | A                                      |
| 1994-03-09 |      |                                           | D                      | 62611                                               | 3297.30                                                           | NAVD88                          | 3           |                               | S                        |                               | A                                      |
| 1994-03-09 |      |                                           | D                      | 72019                                               | 246.70                                                            |                                 | 3           |                               | S                        |                               | A                                      |
| 1999-02-19 |      |                                           | D                      | 62610                                               | 3296.06                                                           | NGVD29                          | 1           |                               | S                        | USGS                          | A                                      |
| 1999-02-19 |      |                                           | D                      | 62611                                               | 3297.62                                                           | NAVD88                          | 1           |                               | S                        | USGS                          | A                                      |
| 1999-02-19 |      |                                           | D                      | 72019                                               | 246.38                                                            |                                 | 1           |                               | S                        | USGS                          | A                                      |

Explanation

| Section                        | Code   | Description                                                    |
|--------------------------------|--------|----------------------------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                                    |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet                        |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet                        |
| Parameter code                 | 72019  | Depth to water level, feet below land surface                  |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988                          |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929                       |
| Status                         |        | The reported water-level measurement represents a static level |
| Status                         | 1      | Static                                                         |

| Section                     | Code | Description                                                  |
|-----------------------------|------|--------------------------------------------------------------|
| Status                      | 3    | Above                                                        |
| Method of measurement       | S    | Steel-tape measurement.                                      |
| Measuring agency            |      | Not determined                                               |
| Measuring agency            | USGS | U.S. Geological Survey                                       |
| Source of measurement       |      | Not determined                                               |
| Source of measurement       | S    | Measured by personnel of reporting agency.                   |
| Water-level approval status | A    | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)[Feedback on this web site](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-05-04 18:25:00 EDT

0.42 0.37 nadww01





# New Mexico Office of the State Engineer

## Point of Diversion Summary

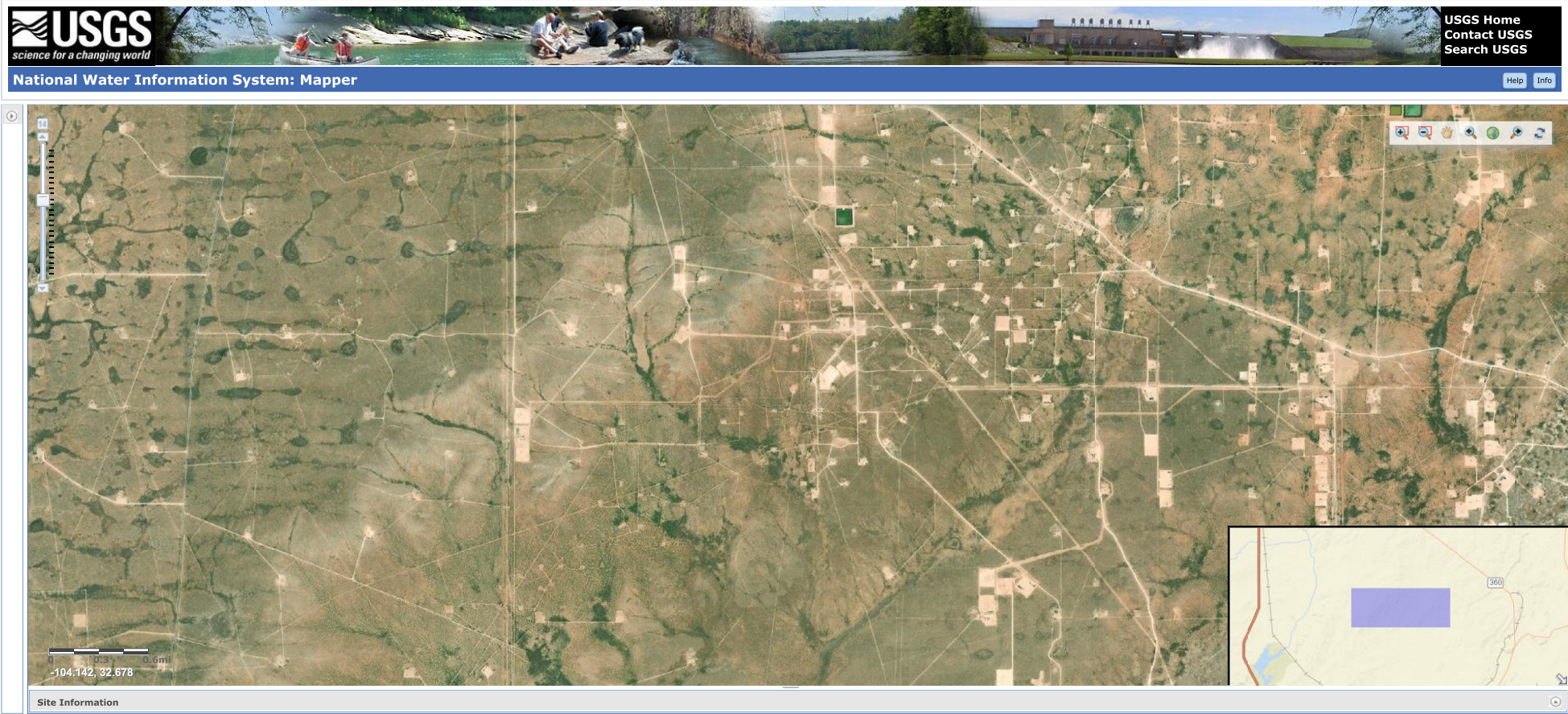
|                                |               |                                                                          |     |                      |     |            |                               |                       |                                                                                              |
|--------------------------------|---------------|--------------------------------------------------------------------------|-----|----------------------|-----|------------|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------|
|                                |               | (quarters are 1=NW 2=NE 3=SW 4=SE)<br>(quarters are smallest to largest) |     |                      |     |            |                               | (NAD83 UTM in meters) |                                                                                              |
| Well Tag                       | POD Number    | Q64                                                                      | Q16 | Q4                   | Sec | Tw         | Rng                           | X                     | Y                                                                                            |
|                                | CP 00361 POD1 | 3                                                                        | 1   | 3                    | 09  | 19S        | 28E                           | 576094                | 3615246*  |
| Driller License:               |               | Driller Company:                                                         |     |                      |     |            |                               |                       |                                                                                              |
| Driller Name:                  |               | LOWE DRILLING CO.                                                        |     |                      |     |            |                               |                       |                                                                                              |
| Drill Start Date:              |               | 04/19/1971                                                               |     | Drill Finish Date:   |     | 05/13/1966 |                               | Plug Date:            |                                                                                              |
| Log File Date:                 |               | 05/25/1971                                                               |     | PCW Rcv Date:        |     |            |                               | Source: Shallow       |                                                                                              |
| Pump Type:                     |               |                                                                          |     | Pipe Discharge Size: |     |            |                               | Estimated Yield:      |                                                                                              |
| Casing Size:                   |               | 8.63                                                                     |     | Depth Well:          |     | 365 feet   |                               | Depth Water: 265 feet |                                                                                              |
| Water Bearing Stratifications: |               |                                                                          |     |                      | Top | Bottom     | Description                   |                       |                                                                                              |
|                                |               |                                                                          |     |                      | 265 | 365        | Sandstone/Gravel/Conglomerate |                       |                                                                                              |
| Casing Perforations:           |               |                                                                          |     |                      | Top | Bottom     |                               |                       |                                                                                              |
|                                |               |                                                                          |     |                      | 288 | 348        |                               |                       |                                                                                              |

\*UTM location was derived from PLSS - see Help

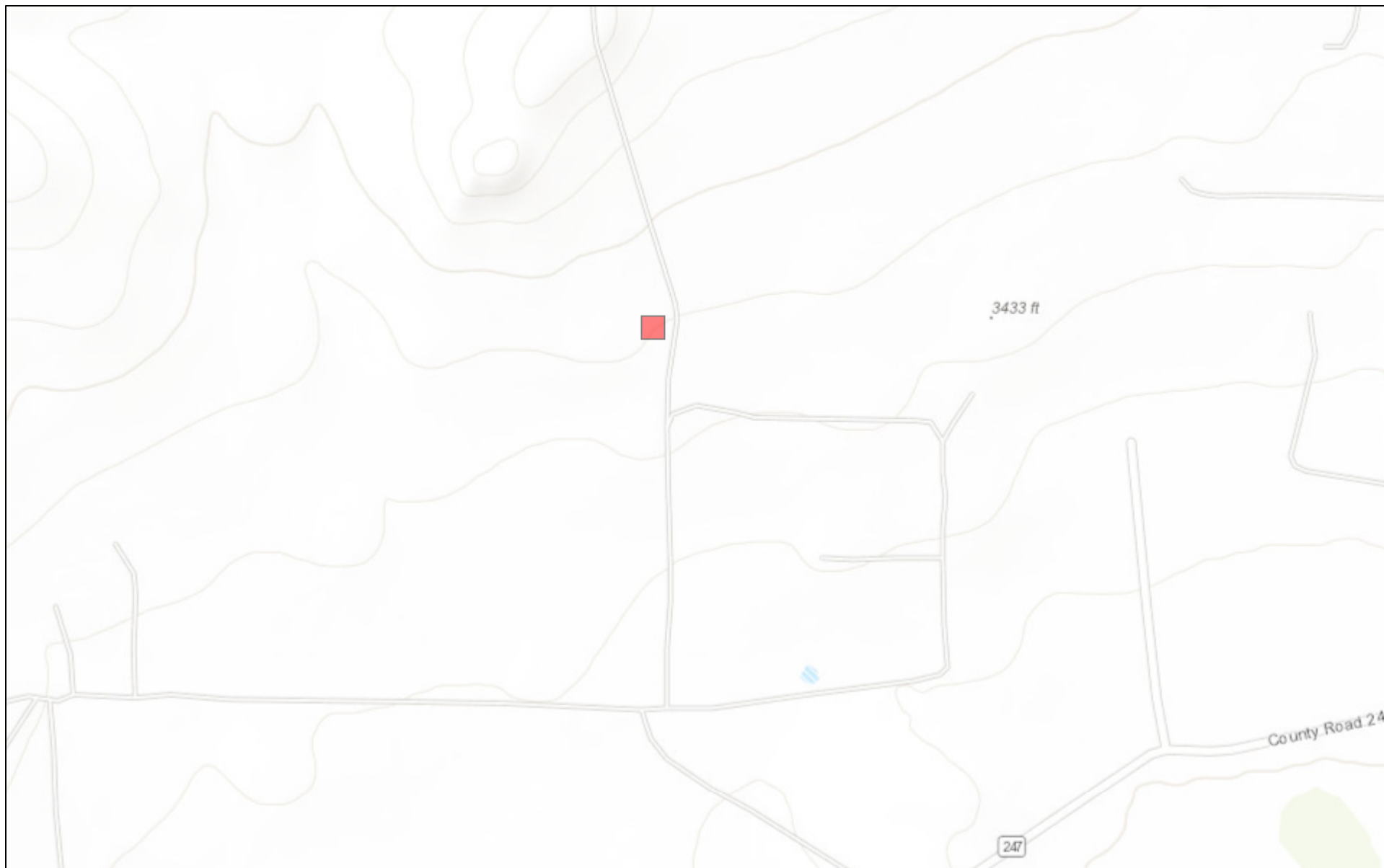
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/22/21 9:48 PM

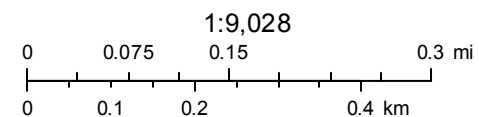
POINT OF DIVERSION SUMMARY



# New Mexico NFHL Data



May 4, 2021

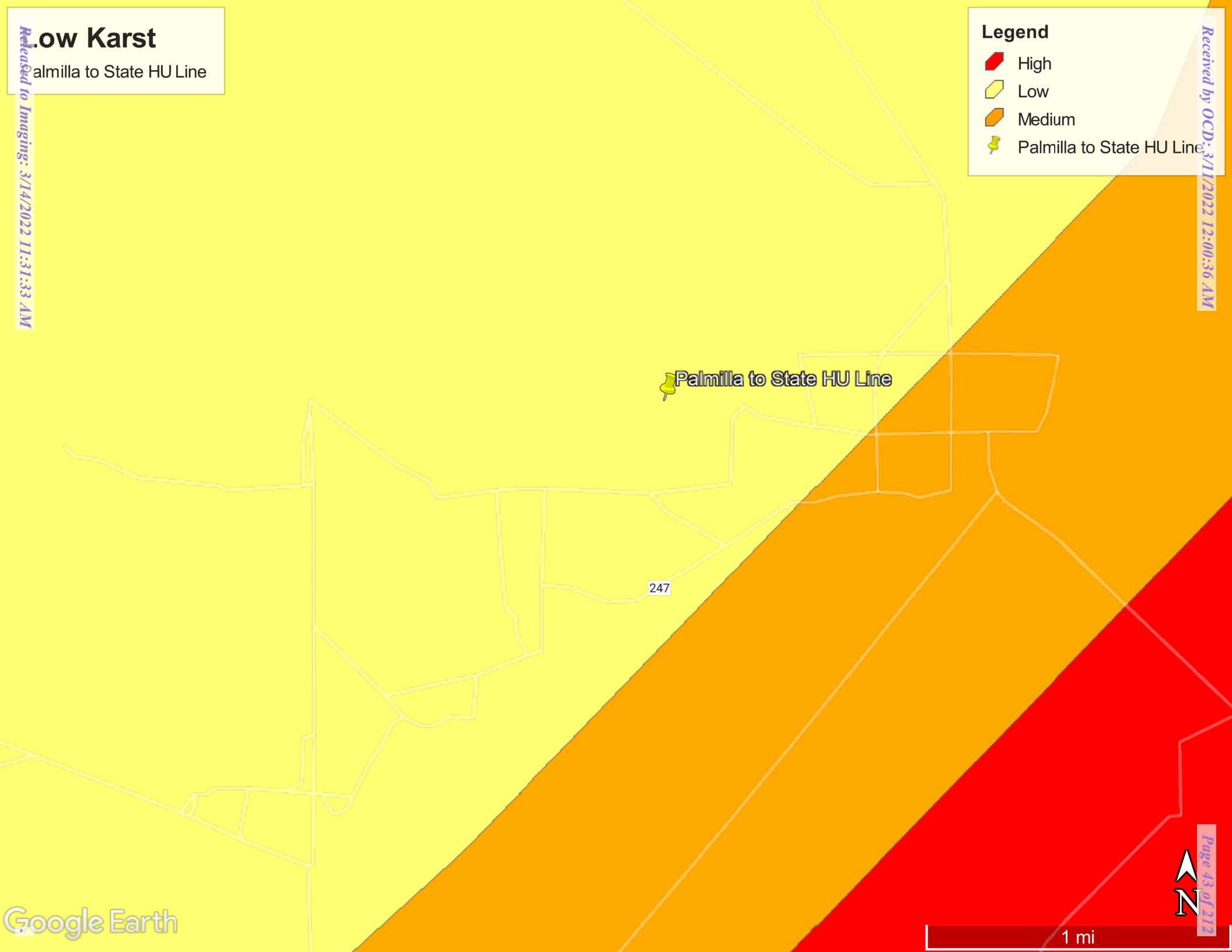


FEMA  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



**Legend**

- High
- Low
- Medium
- Palmilla to State HU Line



**Water Well Data**  
**Average Depth to Groundwater (ft)**  
**Solaris Water Midstream, LLC**  
**Palmilla to State HU Line**  
**Eddy County, New Mexico**

**18 South      27 East**

|    |    |    |        |    |    |
|----|----|----|--------|----|----|
| 6  | 5  | 4  | 3      | 2  | 1  |
| 7  | 8  | 9  | 10     | 11 | 12 |
| 18 | 17 | 16 | 50     | 14 | 13 |
| 19 | 20 | 21 | 22     | 23 | 24 |
| 30 | 29 | 28 | 27     | 26 | 25 |
| 31 | 65 | 32 | 33 100 | 34 | 35 |
|    |    |    | 145    |    | 36 |

**18 South      28 East**

|    |      |     |       |      |    |
|----|------|-----|-------|------|----|
| 6  | 5    | 4   | 3     | 2 55 | 1  |
|    |      | 108 |       |      |    |
| 7  | 8 81 | 9   | 10    | 11   | 12 |
| 49 | 69   |     |       |      |    |
| 18 | 17   | 16  | 15 80 | 14   | 13 |
| 19 | 20   | 21  | 22    | 23   | 24 |
|    |      | 226 |       |      |    |
| 30 | 137  | 29  | 28    | 27   | 26 |
| 31 | 32   | 33  | 34    | 35   | 36 |
|    |      |     |       | 65   |    |

**18 South      29 East**

|    |    |    |       |    |     |
|----|----|----|-------|----|-----|
| 6  | 5  | 4  | 3     | 2  | 1   |
| 7  | 8  | 9  | 10 95 | 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  |
|    |    |    |       |    | 158 |

**19 South      27 East**

|    |      |    |    |        |      |
|----|------|----|----|--------|------|
| 6  | 5 20 | 4  | 3  | 2      | 1    |
| 7  | 8 50 | 9  | 10 | 11     | 12   |
| 18 | 17   | 16 | 15 | 1482.4 | 13   |
| 19 | 20   | 21 | 22 | 107.7  | 60.7 |
| 30 | 29   | 28 | 27 | 26     | 25   |
| 31 | 32   | 33 | 34 | 35     | 36   |
|    |      |    |    |        |      |

**19 South      28 East**

|    |    |       |      |    |       |
|----|----|-------|------|----|-------|
| 6  | 5  | 4     | 3    | 2  | 1     |
| 7  | 8  | 9 246 | 10   | 11 | 12    |
|    |    | 265   |      |    |       |
| 18 | 17 | 16    | 15   | 14 | 13    |
| 91 | 20 | 21    | 22   | 23 | 24    |
|    |    |       | Site |    |       |
| 30 | 29 | 28    | 27   | 26 | 25    |
| 31 | 32 | 33    | 34   | 35 | 36 75 |

**19 South      29 East**

|    |      |    |        |        |        |
|----|------|----|--------|--------|--------|
| 6  | 5    | 4  | 3      | 2      | 1      |
| 7  | 8    | 9  | 10     | 11     | 12     |
| 18 | 17   | 16 | 15     | 14     | 13 123 |
| 19 | 20   | 21 | 22     | 23     | 24     |
|    | 62.9 |    |        |        | 101    |
| 30 | 29   | 28 | 27     | 26     | 25     |
| 31 | 32   | 33 | 34 62' | 35 121 | 36     |
|    |      |    | 60     | 110    | 115    |

**20 South      27 East**

|    |      |     |    |    |       |
|----|------|-----|----|----|-------|
| 6  | 5 50 | 4   | 3  | 2  | 1     |
| 7  | 8    | 9   | 10 | 11 | 12    |
| 66 | 18   | 17  | 16 | 15 | 14 66 |
|    |      |     |    | 74 | 13    |
| 19 | 20   | 21  | 22 | 23 | 24    |
|    |      | 150 |    |    |       |
| 30 | 29   | 28  | 27 | 26 | 25    |
| 31 | 32   | 33  | 34 | 35 | 36    |

**20 South      28 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 |
|     |    | 30    | 35 |    |    |
| 31  | 32 | 33 25 | 34 | 35 | 36 |
| 115 |    | 29    |    |    | 19 |

**20 South      29 East**

|    |    |    |      |    |    |
|----|----|----|------|----|----|
| 6  | 5  | 4  | 3 91 | 2  | 1  |
| 7  | 8  | 9  | 10   | 11 | 12 |
| 18 | 17 | 16 | 15   | 14 | 13 |
| 19 | 20 | 21 | 22   | 23 | 24 |
|    | 62 |    |      |    |    |
| 30 | 29 | 28 | 27   | 26 | 25 |
| 52 |    |    |      |    |    |
| 31 | 32 | 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
- 123** Tetra Tech installed temporary wells and field water level
- 143** NMOCD Groundwater map well location



# Appendix C

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Laboratory Reports





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-1331-1

Laboratory Sample Delivery Group: Eddy County, NM  
Client Project/Site: Palmilla to State HU Line

**For:**

Tetra Tech, Inc.  
901 W Wall  
Ste 100  
Midland, Texas 79701

Attn: Clair Gonzales

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
4/22/2021 3:28:38 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Laboratory Job ID: 880-1331-1  
SDG: Eddy County, NM

# Table of Contents

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## Definitions/Glossary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F2        | MS/MSD RPD exceeds control limits                        |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                                                            |
| U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

Eurofins Xenco, Midland



## Case Narrative

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

**Job ID: 880-1331-1****Laboratory: Eurofins Xenco, Midland****Narrative**

**Job Narrative**  
**880-1331-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/15/2021 3:06 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

**GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-17 (0"-6") (880-1331-17), H-18 (0"-6") (880-1331-18), H-19 (0"-6") (880-1331-19), H-21 (0"-6") (880-1331-21), H-22 (0"-6") (880-1331-22), H-23 (0"-6") (880-1331-23), H-24 (0"-6") (880-1331-24), H-25 (0"-6") (880-1331-25), H-26 (0"-6") (880-1331-26), AH-2 (1'-1.5') (880-1331-37), (880-1331-A-16-B MS) and (880-1331-A-16-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-29 (0"-6") (880-1331-29), H-30 (0"-6") (880-1331-30) and AH-1 (0"-6") (880-1331-31). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1889 and analytical batch 880-1905 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (0"-6") (880-1331-2), H-3 (0"-6") (880-1331-3), H-4 (0"-6") (880-1331-4), H-5 (0"-6") (880-1331-5), H-8 (0"-6") (880-1331-8), H-9 (0"-6") (880-1331-9), H-10 (0"-6") (880-1331-10), H-11 (0"-6") (880-1331-11), H-12 (0"-6") (880-1331-12), H-13 (0"-6") (880-1331-13), H-14 (0"-6") (880-1331-14) and H-15 (0"-6") (880-1331-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: H-1 (0"-6") (880-1331-1), H-2 (0"-6") (880-1331-2), H-5 (0"-6") (880-1331-5), H-6 (0"-6") (880-1331-6), H-9 (0"-6") (880-1331-9), H-10 (0"-6") (880-1331-10), H-13 (0"-6") (880-1331-13) and H-15 (0"-6") (880-1331-15). The sample(s) shows evidence of matrix interference.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1872 and analytical batch 880-1897 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1975 and analytical batch 880-1974 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1985 and analytical batch 880-2028 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-2056 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: AH-14 (0"-6") (880-1331-122), AH-14 (1'-1.5') (880-1331-124), AH-15 (0"-6") (880-1331-126), AH-15 (1'-1.5') (880-1331-128), AH-16 (0"-6") (880-1331-129), AH-17 (0"-6") (880-1331-131), AH-17 (1'-1.5') (880-1331-133), AH-18 (0"-6") (880-1331-135), AH-19 (0"-6") (880-1331-137), AH-20 (0"-6") (880-1331-139), AH-20 (1'-1.5') (880-1331-141), AH-21 (0"-6") (880-1331-149), AH-21 (1'-1.5') (880-1331-151), AH-22 (0"-6") (880-1331-159), AH-22 (1'-1.5') (880-1331-161), AH-23 (0"-6") (880-1331-166), AH-24 (0"-6") (880-1331-167), AH-24 (1'-1.5') (880-1331-169), AH-25 (0"-6") (880-1331-172), AH-26 (0"-6") (880-1331-174) and (CCV 880-2056/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-14 (1'-1.5') (880-1331-124). Evidence of matrix

## Case Narrative

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

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### Job ID: 880-1331-1 (Continued)

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#### Laboratory: Eurofins Xenco, Midland (Continued)

interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8015B NM: The method blank associated with preparation batch 880-1861 and analytical batch 880-1882 contained Oil Range Organics (Over C28-C36) greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples were non detect in this range. The sample results have been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1940 and analytical batch 880-1999 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-1 (0"-6")

Lab Sample ID: 880-1331-1

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 08:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 08:19 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U F2      | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 12:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 12:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 12:13 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 12:13 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 83        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 12:13 | 1       |
| o-Terphenyl    | 75        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 12:13 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 92.1   |           | 5.03 |     | mg/Kg |   |          | 04/20/21 14:57 | 1       |

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-1331-2

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 08:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 08:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 08:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |

Eurofins Xenco, Midland



## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-1331-2

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |
| Total TPH                            | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |
| o-Terphenyl                          | 75        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 13:17 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6.06   |           | 5.05 |     | mg/Kg |   |          | 04/20/21 15:02 | 1       |

Client Sample ID: H-3 (0"-6")

Lab Sample ID: 880-1331-3

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 09:10 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |
| Total TPH                            | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 76        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |
| o-Terphenyl                          | 70        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 13:38 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8.13   |           | 4.97 |     | mg/Kg |   |          | 04/20/21 15:07 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-4 (0"-6")

Lab Sample ID: 880-1331-4

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 09:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 09:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 09:35 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:00 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:00 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 14:00 | 1       |
| o-Terphenyl    | 81        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 14:00 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 108    |           | 4.96 |     | mg/Kg |   |          | 04/19/21 10:36 | 1       |

Client Sample ID: H-5 (0"-6")

Lab Sample ID: 880-1331-5

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 10:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 10:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 10:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-5 (0"-6")

Lab Sample ID: 880-1331-5

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 14:21 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 242    |           | 4.97 |     | mg/Kg |   |          | 04/19/21 10:41 | 1       |

Client Sample ID: H-6 (0"-6")

Lab Sample ID: 880-1331-6

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 11:44 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 75        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |
| o-Terphenyl                          | 67        | S1-       | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 14:42 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12.9   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 10:46 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-7 (0"-6")

Lab Sample ID: 880-1331-7

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:09 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 129       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 12:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 12:09 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:04 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 88        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 15:04 | 1       |
| o-Terphenyl    | 81        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 15:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 32.4   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 10:51 | 1       |

Client Sample ID: H-8 (0"-6")

Lab Sample ID: 880-1331-8

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 12:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 12:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 12:35 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-8 (0"-6")

Lab Sample ID: 880-1331-8

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 15:25 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12.0   |           | 4.95 |     | mg/Kg |   |          | 04/19/21 10:56 | 1       |

Client Sample ID: H-9 (0"-6")

Lab Sample ID: 880-1331-9

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| Total BTEX                  | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 13:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 15:47 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 29.3   |           | 5.02 |     | mg/Kg |   |          | 04/19/21 11:11 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-10 (0"-6")

Lab Sample ID: 880-1331-10

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 13:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 13:27 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:08 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 80        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 16:08 | 1       |
| o-Terphenyl    | 72        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 16:08 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 14.6   |           | 5.05 |     | mg/Kg |   |          | 04/19/21 11:16 | 1       |

Client Sample ID: H-11 (0"-6")

Lab Sample ID: 880-1331-11

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 13:52 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 143       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 13:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 13:52 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-11 (0"-6")

Lab Sample ID: 880-1331-11

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 16:57 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 20.4   |           | 5.04 |     | mg/Kg |   |          | 04/19/21 11:31 | 1       |

Client Sample ID: H-12 (0"-6")

Lab Sample ID: 880-1331-12

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 14:18 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |
| o-Terphenyl                          | 70        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 17:19 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 66.5   |           | 5.04 |     | mg/Kg |   |          | 04/19/21 11:37 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-13 (0"-6")

Lab Sample ID: 880-1331-13

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 14:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 14:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 14:44 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:40 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 17:40 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 17:40 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 17:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 27.7   |           | 4.97 |     | mg/Kg |   |          | 04/19/21 11:42 | 1       |

Client Sample ID: H-14 (0"-6")

Lab Sample ID: 880-1331-14

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:09 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 152       | S1+       | 70 - 130 | 04/16/21 10:29 | 04/17/21 15:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/16/21 10:29 | 04/17/21 15:09 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-14 (0"-6")

Lab Sample ID: 880-1331-14

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |
| Total TPH                            | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |
| o-Terphenyl                          | 78        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 18:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 13.9   |           | 4.96 |     | mg/Kg |   |          | 04/19/21 11:47 | 1       |

Client Sample ID: H-15 (0"-6")

Lab Sample ID: 880-1331-15

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 140       | S1+       | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |     |       |   | 04/16/21 10:29 | 04/17/21 15:35 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |
| Total TPH                            | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 83        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 18:22 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 36.6   |           | 4.97 |     | mg/Kg |   |          | 04/19/21 11:52 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-16 (0"-6")

Lab Sample ID: 880-1331-16

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U F1      | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U F2      | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| o-Xylene            | <0.00200 | U F2      | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| Xylenes, Total      | <0.00399 | U F2      | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| Total BTEX          | <0.00399 | U F2      | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 19:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 19:40 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:44 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 18:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 91        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 18:44 | 1       |
| o-Terphenyl    | 85        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 18:44 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6.05   |           | 4.98 |     | mg/Kg |   |          | 04/19/21 11:57 | 1       |

Client Sample ID: H-17 (0"-6")

Lab Sample ID: 880-1331-17

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 20:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 20:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-17 (0"-6")

Lab Sample ID: 880-1331-17

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |
| o-Terphenyl                          | 75        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 19:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 87.8   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 12:02 | 1       |

Client Sample ID: H-18 (0"-6")

Lab Sample ID: 880-1331-18

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 20:22 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |
| o-Terphenyl                          | 80        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 19:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 33.5   |           | 5.03 |     | mg/Kg |   |          | 04/19/21 10:23 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-19 (0"-6")

Lab Sample ID: 880-1331-19

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 20:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 143       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/16/21 20:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 20:42 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:48 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 19:48 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 77        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 19:48 | 1       |
| o-Terphenyl    | 71        |           | 70 - 130 | 04/16/21 08:45 | 04/16/21 19:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 24.2   |           | 4.99 |     | mg/Kg |   |          | 04/19/21 10:38 | 1       |

Client Sample ID: H-20 (0"-6")

Lab Sample ID: 880-1331-20

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| Total BTEX          | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:03 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 21:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 21:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-20 (0"-6")

Lab Sample ID: 880-1331-20

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |
| Total TPH                            | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |
| o-Terphenyl                          | 89        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 20:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8.45   |           | 4.96 |     | mg/Kg |   |          | 04/19/21 10:43 | 1       |

Client Sample ID: H-21 (0"-6")

Lab Sample ID: 880-1331-21

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 21:24 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U F2      | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |
| Total TPH                            | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 88        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |
| o-Terphenyl                          | 82        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 21:54 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12.4   |           | 4.97 |     | mg/Kg |   |          | 04/19/21 10:48 | 1       |

Eurofins Xenco, Midland



## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-22 (0"-6")

Lab Sample ID: 880-1331-22

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.00222  |           | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| Toluene             | 0.00382  |           | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| Total BTEX          | 0.00604  |           | 0.00403 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 21:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 185       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/16/21 21:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 21:44 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 22:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 22:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 22:58 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 22:58 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 77        |           | 70 - 130 | 04/16/21 08:59 | 04/16/21 22:58 | 1       |
| o-Terphenyl    | 70        |           | 70 - 130 | 04/16/21 08:59 | 04/16/21 22:58 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5.84   |           | 4.99 |     | mg/Kg |   |          | 04/19/21 10:53 | 1       |

Client Sample ID: H-23 (0"-6")

Lab Sample ID: 880-1331-23

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 22:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 22:05 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-23 (0"-6")

Lab Sample ID: 880-1331-23

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |
| Total TPH                            | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 23:19 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12.9   |           | 4.99 |     | mg/Kg |   |          | 04/19/21 11:09 | 1       |

Client Sample ID: H-24 (0"-6")

Lab Sample ID: 880-1331-24

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.00379   |           | 0.00201  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| Toluene                     | 0.00456   |           | 0.00201  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| Ethylbenzene                | 0.00218   |           | 0.00201  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| Total BTEX                  | 0.0105    |           | 0.00402  |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 150       | S1+       | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76        |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/16/21 22:26 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |
| Total TPH                            | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/16/21 23:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12.3   |           | 4.98 |     | mg/Kg |   |          | 04/19/21 11:14 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-25 (0"-6")

Lab Sample ID: 880-1331-25

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 22:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 22:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/16/21 11:10 | 04/16/21 22:46 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:02 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:02 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 79        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 00:02 | 1       |
| o-Terphenyl    | 73        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 00:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10.7   |           | 4.50 |     | mg/Kg |   |          | 04/19/21 11:19 | 1       |

Client Sample ID: H-26 (0"-6")

Lab Sample ID: 880-1331-26

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 176       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/17/21 00:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 00:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-26 (0"-6")

Lab Sample ID: 880-1331-26

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |
| o-Terphenyl                          | 64        | S1-       | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 00:23 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5.68   |           | 4.95 |     | mg/Kg |   |          | 04/19/21 11:24 | 1       |

Client Sample ID: H-27 (0"-6")

Lab Sample ID: 880-1331-27

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 00:32 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 00:44 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 13.6   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 11:29 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-28 (0"-6")

Lab Sample ID: 880-1331-28

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 00:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 00:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 00:53 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:05 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:05 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 77        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 01:05 | 1       |
| o-Terphenyl    | 71        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 01:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8.98   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 11:34 | 1       |

Client Sample ID: H-29 (0"-6")

Lab Sample ID: 880-1331-29

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 158       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/17/21 01:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 01:13 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-29 (0"-6")

Lab Sample ID: 880-1331-29

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 71        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |
| o-Terphenyl                          | 63        | S1-       | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 01:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 40.4   |           | 5.02 |     | mg/Kg |   |          | 04/19/21 11:49 | 1       |

Client Sample ID: H-30 (0"-6")

Lab Sample ID: 880-1331-30

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| Total BTEX                  | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 187       | S1+       | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 01:34 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |
| Total TPH                            | <50.1     | U         | 50.1     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 01:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 24.8   |           | 5.02 |     | mg/Kg |   |          | 04/19/21 11:54 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-1 (0"-6")

Lab Sample ID: 880-1331-31

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 01:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 173       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/17/21 01:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 01:55 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:31 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:31 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 02:31 | 1       |
| o-Terphenyl    | 80        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 02:31 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2720   |           | 25.1 |     | mg/Kg |   |          | 04/20/21 09:13 | 5       |

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-1331-33

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 02:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 02:15 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-1331-33

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |
| o-Terphenyl                          | 80        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 02:51 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 107    |           | 5.02 |     | mg/Kg |   |          | 04/19/21 12:15 | 1       |

Client Sample ID: AH-2 (0"-6")

Lab Sample ID: 880-1331-35

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 |     |       |   | 04/16/21 11:10 | 04/17/21 02:36 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 81        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 03:13 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6110   |           | 50.4 |     | mg/Kg |   |          | 04/19/21 12:20 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-1331-37

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.00283  |           | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| Total BTEX          | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 11:10 | 04/17/21 02:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 195       | S1+       | 70 - 130 | 04/16/21 11:10 | 04/17/21 02:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 04/16/21 11:10 | 04/17/21 02:57 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:34 | 1       |
| Diesel Range Organics (Over C10-C28) | 61.3   |           | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:34 | 1       |
| Total TPH                            | 61.3   |           | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:34 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 81        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 03:34 | 1       |
| o-Terphenyl    | 77        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 03:34 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9170   |           | 49.7 |     | mg/Kg |   |          | 04/19/21 12:25 | 10      |

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-1331-39

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 12200  |           | 99.2 |     | mg/Kg |   |          | 04/19/21 12:30 | 20      |

Client Sample ID: AH-2 (3'-3.5)

Lab Sample ID: 880-1331-41

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8110   |           | 99.8 |     | mg/Kg |   |          | 04/19/21 12:35 | 20      |

Client Sample ID: AH-2 (4'-4.5')

Lab Sample ID: 880-1331-43

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5300   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 12:40 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-3 (0"-6")

Lab Sample ID: 880-1331-45

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 20:10 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 04/19/21 11:01 | 04/19/21 20:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/19/21 11:01 | 04/19/21 20:10 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:55 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 03:55 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 03:55 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 03:55 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7300   |           | 49.9 |     | mg/Kg |   |          | 04/22/21 10:12 | 10      |

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-1331-47

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| Total BTEX          | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 13:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 13:14 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-1331-47

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |
| Total TPH                            | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 88        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |
| o-Terphenyl                          | 83        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:16 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9060   |           | 50.5 |     | mg/Kg |   |          | 04/22/21 10:35 | 10      |

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-1331-49

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5880   |           | 50.2 |     | mg/Kg |   |          | 04/22/21 10:42 | 10      |

Client Sample ID: AH-3 (3'-3.5')

Lab Sample ID: 880-1331-51

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 425    |           | 4.98 |     | mg/Kg |   |          | 04/22/21 10:50 | 1       |

Client Sample ID: AH-4 (0"-6")

Lab Sample ID: 880-1331-53

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| Total BTEX                  | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |     |       |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |     |       |   | 04/16/21 14:49 | 04/17/21 13:35 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-4 (0"-6")

Lab Sample ID: 880-1331-53

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |
| Total TPH                         | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 99        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |
| o-Terphenyl                       | 92        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:38 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6900   |           | 49.7 |     | mg/Kg |   |          | 04/22/21 10:58 | 10      |

Client Sample ID: AH-5 (0"-6")

Lab Sample ID: 880-1331-54

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |     |       |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 |     |       |   | 04/16/21 14:49 | 04/17/21 13:55 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |
| o-Terphenyl                          | 88        |           | 70 - 130 |     |       |   | 04/16/21 08:59 | 04/17/21 04:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7590   |           | 50.1 |     | mg/Kg |   |          | 04/20/21 12:48 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-5 (1'-1.5')

Lab Sample ID: 880-1331-56

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 14:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 14:15 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:20 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:20 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 95        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 05:20 | 1       |
| o-Terphenyl    | 90        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 05:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8380   |           | 49.7 |     | mg/Kg |   |          | 04/20/21 13:04 | 10      |

Client Sample ID: AH-5 (2'-2.5')

Lab Sample ID: 880-1331-58

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6920   |           | 49.8 |     | mg/Kg |   |          | 04/20/21 13:10 | 10      |

Client Sample ID: AH-5 (3'-3.5')

Lab Sample ID: 880-1331-60

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 410    |           | 5.02 |     | mg/Kg |   |          | 04/20/21 13:15 | 1       |

Client Sample ID: AH-6 (0"-6")

Lab Sample ID: 880-1331-62

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-6 (0"-6")

Lab Sample ID: 880-1331-62

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 14:49 | 04/17/21 14:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 14:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 04/16/21 14:49 | 04/17/21 14:36 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:41 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 08:59 | 04/17/21 05:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 84        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 05:41 | 1       |
| o-Terphenyl    | 78        |           | 70 - 130 | 04/16/21 08:59 | 04/17/21 05:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7750   |           | 50.2 |     | mg/Kg |   |          | 04/20/21 13:21 | 10      |

Client Sample ID: AH-6 (1'-1.5')

Lab Sample ID: 880-1331-64

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 16:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 16:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 16:43 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-6 (1'-1.5')

Lab Sample ID: 880-1331-64

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |
| Total TPH                         | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 102       |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |
| o-Terphenyl                       | 100       |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 15:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8230   |           | 49.9 |     | mg/Kg |   |          | 04/20/21 13:37 | 10      |

Client Sample ID: AH-6 (2'-2.5')

Lab Sample ID: 880-1331-66

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8470   |           | 49.6 |     | mg/Kg |   |          | 04/20/21 13:43 | 10      |

Client Sample ID: AH-6 (3'-3.5')

Lab Sample ID: 880-1331-68

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9620   |           | 50.3 |     | mg/Kg |   |          | 04/20/21 13:48 | 10      |

Client Sample ID: AH-6 (4'-4.5')

Lab Sample ID: 880-1331-70

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6840   |           | 50.5 |     | mg/Kg |   |          | 04/20/21 13:54 | 10      |

Client Sample ID: AH-7 (0"-6")

Lab Sample ID: 880-1331-72

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 17:12 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-7 (0"-6")

Lab Sample ID: 880-1331-72

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:14 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:14 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 114       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:14 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:14 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 90400  |           | 547 |     | mg/Kg |   |          | 04/20/21 14:00 | 110     |

Client Sample ID: AH-7 (1'-1.5')

Lab Sample ID: 880-1331-74

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 18:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 18:36 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:36 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:36 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:36 | 1       |
| o-Terphenyl    | 107       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:36 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10400  |           | 49.9 |     | mg/Kg |   |          | 04/20/21 14:05 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-7 (2'-2.5')

Lab Sample ID: 880-1331-76

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1240   |           | 24.8 |     | mg/Kg |   |          | 04/20/21 14:22 | 5       |

Client Sample ID: AH-7 (3'-3.5')

Lab Sample ID: 880-1331-78

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2400   |           | 24.8 |     | mg/Kg |   |          | 04/20/21 14:27 | 5       |

Client Sample ID: AH-8 (0"-6")

Lab Sample ID: 880-1331-80

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| Total BTEX          | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 18:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 18:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 18:56 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:58 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 16:58 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:58 | 1       |
| o-Terphenyl    | 104       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 16:58 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8310   |           | 49.9 |     | mg/Kg |   |          | 04/20/21 14:44 | 10      |

Client Sample ID: AH-8 (1'-1.5')

Lab Sample ID: 880-1331-82

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-8 (1'-1.5')

Lab Sample ID: 880-1331-82

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:17 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:17 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:19 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:19 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 17:19 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 17:19 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 11300  |           | 99.6 |     | mg/Kg |   |          | 04/20/21 14:49 | 20      |

Client Sample ID: AH-8 (2'-2.5')

Lab Sample ID: 880-1331-84

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10400  |           | 49.9 |     | mg/Kg |   |          | 04/19/21 16:03 | 10      |

Client Sample ID: AH-8 (3'-3.5')

Lab Sample ID: 880-1331-86

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6240   |           | 49.6 |     | mg/Kg |   |          | 04/19/21 16:20 | 10      |

Client Sample ID: AH-8 (4'-4.5')

Lab Sample ID: 880-1331-88

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 792    |           | 4.95 |     | mg/Kg |   |          | 04/19/21 16:26 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-9 (0"-6")

Lab Sample ID: 880-1331-90

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| Total BTEX          | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:38 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:38 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:41 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 17:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 17:41 | 1       |
| o-Terphenyl    | 107       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 17:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 12900  |           | 101 |     | mg/Kg |   |          | 04/19/21 16:31 | 20      |

Client Sample ID: AH-9 (1'-1.5')

Lab Sample ID: 880-1331-92

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 19:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 122       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 19:58 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-9 (1'-1.5')

Lab Sample ID: 880-1331-92

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 18:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 18100  |           | 100 |     | mg/Kg |   |          | 04/20/21 09:02 | 20      |

Client Sample ID: AH-9 (2'-2.5')

Lab Sample ID: 880-1331-94

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7770   |           | 50.2 |     | mg/Kg |   |          | 04/19/21 16:53 | 10      |

Client Sample ID: AH-9 (3'-3.5')

Lab Sample ID: 880-1331-96

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4480   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 16:59 | 10      |

Client Sample ID: AH-9 (4'-4.5')

Lab Sample ID: 880-1331-98

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2900   |           | 25.2 |     | mg/Kg |   |          | 04/19/21 17:04 | 5       |

Client Sample ID: AH-10 (0"-6")

Lab Sample ID: 880-1331-99

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:19 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-10 (0"-6")

Lab Sample ID: 880-1331-99

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 20:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 20:19 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:24 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:24 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 18:24 | 1       |
| o-Terphenyl    | 107       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 18:24 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9230   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 17:10 | 10      |

Client Sample ID: AH-10 (1'-1.5')

Lab Sample ID: 880-1331-101

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 20:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 20:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 20:40 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:46 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 18:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 18:46 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 18:46 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-10 (1'-1.5')

Lab Sample ID: 880-1331-101

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 13200  |           | 99.6 |     | mg/Kg |   |          | 04/19/21 17:15 | 20      |

Client Sample ID: AH-10 (2'-2.5')

Lab Sample ID: 880-1331-103

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5800   |           | 50.5 |     | mg/Kg |   |          | 04/19/21 17:21 | 10      |

Client Sample ID: AH-10 (3'-3.5')

Lab Sample ID: 880-1331-105

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3950   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 17:38 | 10      |

Client Sample ID: AH-10 (4'-4.5')

Lab Sample ID: 880-1331-107

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1250   |           | 25.0 |     | mg/Kg |   |          | 04/19/21 17:43 | 5       |

Client Sample ID: AH-11 (0"-6")

Lab Sample ID: 880-1331-109

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 21:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 21:00 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:07 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:07 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-11 (0"-6")

Lab Sample ID: 880-1331-109

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 107       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 19:07 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 19:07 | 1       |

| Method: 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |     |       |   |          |                |         |
|------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                             | 3780   |           | 24.8 |     | mg/Kg |   |          | 04/19/21 18:00 | 5       |

Client Sample ID: AH-11 (1'-1.5')

Lab Sample ID: 880-1331-111

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Method: 8021B - Volatile Organic Compounds (GC) |          |           |         |     |       |   |                |                |         |
|-------------------------------------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Analyte                                         | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                         | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| Toluene                                         | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| Ethylbenzene                                    | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| m-Xylene & p-Xylene                             | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| o-Xylene                                        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| Xylenes, Total                                  | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| Total BTEX                                      | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 21:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 04/16/21 15:25 | 04/19/21 21:21 | 1       |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:50 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 19:50 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 19:50 | 1       |
| o-Terphenyl    | 98        |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 19:50 | 1       |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10400  |           | 50.0 |     | mg/Kg |   |          | 04/19/21 18:05 | 10      |

Client Sample ID: AH-11 (2'-2.5')

Lab Sample ID: 880-1331-113

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Method: 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |     |       |   |          |                |         |
|------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                             | 8740   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 18:11 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-11 (3.-3.5')

Lab Sample ID: 880-1331-115

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6740   |           | 49.7 |     | mg/Kg |   |          | 04/19/21 18:16 | 10      |

Client Sample ID: AH-12 (0"-6")

Lab Sample ID: 880-1331-118

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| m-Xylene & p-Xylene         | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| Xylenes, Total              | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| Total BTEX                  | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 21:42 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |
| o-Terphenyl                          | 97        |           | 70 - 130 |     |       |   | 04/16/21 09:17 | 04/16/21 20:12 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 214    |           | 4.99 |     | mg/Kg |   |          | 04/19/21 18:22 | 1       |

Client Sample ID: AH-14 (0"-6")

Lab Sample ID: 880-1331-122

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U F2 F1   | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| Toluene             | <0.00198 | U F2 F1   | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| Ethylbenzene        | <0.00198 | U F2 F1   | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1   | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| o-Xylene            | <0.00198 | U F2 F1   | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| Xylenes, Total      | <0.00397 | U F2 F1   | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| Total BTEX          | <0.00397 | U F2 F1   | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:27 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-14 (0"-6")

Lab Sample ID: 880-1331-122

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 134       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:27 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:33 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:33 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 20:33 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 20:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 18.6   |           | 4.95 |     | mg/Kg |   |          | 04/19/21 18:27 | 1       |

Client Sample ID: AH-14 (1'-1.5')

Lab Sample ID: 880-1331-124

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| m-Xylene & p-Xylene | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| Xylenes, Total      | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| Total BTEX          | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:53 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:55 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 20:55 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 20:55 | 1       |
| o-Terphenyl    | 101       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 20:55 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-14 (1'-1.5')

Lab Sample ID: 880-1331-124

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 16.0   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 18:33 | 1       |

Client Sample ID: AH-15 (0"-6")

Lab Sample ID: 880-1331-126

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 20:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 20:19 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:16 | 1       |
| Diesel Range Organics (Over C10-C28) | 60.6   |           | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:16 | 1       |
| Total TPH                            | 60.6   |           | 49.9 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 60        | S1-       | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:16 | 1       |
| o-Terphenyl    | 101       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:16 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 32.7   |           | 4.96 |     | mg/Kg |   |          | 04/19/21 14:52 | 1       |

Client Sample ID: AH-15 (1'-1.5')

Lab Sample ID: 880-1331-128

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 20:44 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-15 (1'-1.5')

Lab Sample ID: 880-1331-128

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 153       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 20:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 20:44 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:37 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:37 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:37 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 65.2   |           | 5.04 |     | mg/Kg |   |          | 04/19/21 15:07 | 1       |

Client Sample ID: AH-16 (0"-6")

Lab Sample ID: 880-1331-129

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:10 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 152       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 21:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 21:10 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:59 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 21:59 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:59 | 1       |
| o-Terphenyl    | 105       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 21:59 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-16 (0"-6")

Lab Sample ID: 880-1331-129

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 58.8   |           | 5.02 |     | mg/Kg |   |          | 04/19/21 15:12 | 1       |

Client Sample ID: AH-17 (0"-6")

Lab Sample ID: 880-1331-131

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 21:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 148       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 21:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 21:36 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:20 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:20 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 104       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 22:20 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 22:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7040   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 15:18 | 10      |

Client Sample ID: AH-17 (1'-1.5')

Lab Sample ID: 880-1331-133

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:01 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-17 (1'-1.5')

Lab Sample ID: 880-1331-133

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 155       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:41 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 22:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 22:41 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 22:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1800   |           | 25.0 |     | mg/Kg |   |          | 04/19/21 15:23 | 5       |

Client Sample ID: AH-18 (0"-6")

Lab Sample ID: 880-1331-135

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 156       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:27 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 23:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 23:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 23:03 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 23:03 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 23:03 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 04/16/21 09:17 | 04/16/21 23:03 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-18 (0"-6")

Lab Sample ID: 880-1331-135

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 29.4   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 15:38 | 1       |

Client Sample ID: AH-19 (0"-6")

Lab Sample ID: 880-1331-137

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| Total BTEX          | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 22:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 22:53 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 15:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 15:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 15:09 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 15:09 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 15:09 | 1       |
| o-Terphenyl    | 82        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 15:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 89.7   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 15:43 | 1       |

Client Sample ID: AH-20 (0"-6")

Lab Sample ID: 880-1331-139

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 23:19 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-20 (0"-6")

Lab Sample ID: 880-1331-139

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 153       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/20/21 23:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/19/21 10:02 | 04/20/21 23:19 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:14 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:14 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:14 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:14 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 696    |           | 5.00 |     | mg/Kg |   |          | 04/19/21 15:48 | 1       |

Client Sample ID: AH-20 (1'-1.5')

Lab Sample ID: 880-1331-141

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| Total BTEX          | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:02 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:36 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:36 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 89        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:36 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:36 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-20 (1'-1.5')

Lab Sample ID: 880-1331-141

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6960   |           | 50.4 |     | mg/Kg |   |          | 04/19/21 15:53 | 10      |

Client Sample ID: AH-20 (2'-2.5')

Lab Sample ID: 880-1331-143

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2450   |           | 24.8 |     | mg/Kg |   |          | 04/19/21 15:58 | 5       |

Client Sample ID: AH-20 (3'-3.5')

Lab Sample ID: 880-1331-145

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 891    | F1        | 4.95 |     | mg/Kg |   |          | 04/19/21 16:03 | 1       |

Client Sample ID: AH-20 (4'-4.5')

Lab Sample ID: 880-1331-147

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 506    |           | 5.04 |     | mg/Kg |   |          | 04/19/21 16:19 | 1       |

Client Sample ID: AH-21 (0"-6")

Lab Sample ID: 880-1331-149

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 148       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:28 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:58 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 16:58 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-21 (0"-6")

Lab Sample ID: 880-1331-149

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:58 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 16:58 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 12500  |           | 101 |     | mg/Kg |   |          | 04/19/21 16:24 | 20      |

Client Sample ID: AH-21 (1'-1.5')

Lab Sample ID: 880-1331-151

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| Total BTEX          | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 01:54 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 142       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 01:54 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:19 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:19 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 17:19 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 17:19 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5620   |           | 49.7 |     | mg/Kg |   |          | 04/19/21 16:39 | 10      |

Client Sample ID: AH-21 (2'-2.5')

Lab Sample ID: 880-1331-153

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6470   |           | 49.9 |     | mg/Kg |   |          | 04/19/21 16:44 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-21 (3'-3.5')

Lab Sample ID: 880-1331-155

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8250   |           | 49.8 |     | mg/Kg |   |          | 04/19/21 16:49 | 10      |

Client Sample ID: AH-21 (4'-4.5')

Lab Sample ID: 880-1331-157

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5950   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 16:54 | 10      |

Client Sample ID: AH-22 (0"-6')

Lab Sample ID: 880-1331-159

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 152       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 02:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 02:19 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:41 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 17:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 91        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 17:41 | 1       |
| o-Terphenyl    | 84        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 17:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7370   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 20:24 | 10      |

Client Sample ID: AH-22 (1'-1.5')

Lab Sample ID: 880-1331-161

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-22 (1'-1.5')

Lab Sample ID: 880-1331-161

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| Total BTEX          | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 02:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 145       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 02:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 02:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:02 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:02 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:02 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 292    |           | 5.04 |     | mg/Kg |   |          | 04/19/21 17:01 | 1       |

Client Sample ID: AH-22 (2'-2.5')

Lab Sample ID: 880-1331-163

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 204    |           | 5.05 |     | mg/Kg |   |          | 04/19/21 17:06 | 1       |

Client Sample ID: AH-22 (3'-3.5')

Lab Sample ID: 880-1331-165

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 154    |           | 5.00 |     | mg/Kg |   |          | 04/19/21 18:02 | 1       |

Client Sample ID: AH-23 (0"-6")

Lab Sample ID: 880-1331-166

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| Toluene | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-23 (0"-6")

Lab Sample ID: 880-1331-166

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| Total BTEX          | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 160       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 03:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 03:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:24 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:24 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:24 | 1       |
| o-Terphenyl    | 84        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:24 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8680   |           | 49.6 |     | mg/Kg |   |          | 04/19/21 18:17 | 10      |

Client Sample ID: AH-24 (0"-6")

Lab Sample ID: 880-1331-167

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 03:37 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 03:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 03:37 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:46 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-24 (0"-6")

Lab Sample ID: 880-1331-167

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 18:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 101       |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:46 | 1       |
| o-Terphenyl    | 91        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 18:46 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2370   |           | 24.8 |     | mg/Kg |   |          | 04/19/21 18:22 | 5       |

Client Sample ID: AH-24 (1'-1.5')

Lab Sample ID: 880-1331-169

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| Total BTEX          | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:03 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:07 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:07 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 19:07 | 1       |
| o-Terphenyl    | 84        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 19:07 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 340    |           | 5.05 |     | mg/Kg |   |          | 04/19/21 18:27 | 1       |

Client Sample ID: AH-24 (2'-2.5')

Lab Sample ID: 880-1331-171

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 266    |           | 4.98 |     | mg/Kg |   |          | 04/19/21 18:32 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-25 (0"-6")

Lab Sample ID: 880-1331-172

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:29 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:29 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:50 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 19:50 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 19:50 | 1       |
| o-Terphenyl    | 90        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 19:50 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 17.3   |           | 5.00 |     | mg/Kg |   |          | 04/19/21 18:47 | 1       |

Client Sample ID: AH-26 (0"-6")

Lab Sample ID: 880-1331-174

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| Total BTEX          | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 04/19/21 10:02 | 04/21/21 04:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 158       | S1+       | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 04/19/21 10:02 | 04/21/21 04:55 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-26 (0"-6")

Lab Sample ID: 880-1331-174

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |
| o-Terphenyl                          | 82        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 20:12 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6930   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 18:53 | 10      |

Client Sample ID: AH-26 (1'-1.5')

Lab Sample ID: 880-1331-176

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U F1      | 0.00202  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| Toluene                     | <0.00202  | U F1      | 0.00202  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| Ethylbenzene                | <0.00202  | U F1      | 0.00202  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U F1      | 0.00404  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| o-Xylene                    | <0.00202  | U F1      | 0.00202  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| Xylenes, Total              | <0.00404  | U F1      | 0.00404  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| Total BTEX                  | <0.00404  | U F2 F1   | 0.00404  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 13:48 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |
| o-Terphenyl                          | 86        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 20:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7870   |           | 50.2 |     | mg/Kg |   |          | 04/19/21 18:58 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-26 (2'-2.5')

Lab Sample ID: 880-1331-178

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7780   |           | 50.3 |     | mg/Kg |   |          | 04/19/21 19:03 | 10      |

Client Sample ID: AH-27 (0"-6")

Lab Sample ID: 880-1331-179

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 14:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 14:08 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:55 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 20:55 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 20:55 | 1       |
| o-Terphenyl    | 97        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 20:55 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4110   |           | 25.0 |     | mg/Kg |   |          | 04/19/21 19:08 | 5       |

Client Sample ID: AH-27 (1'-1.5')

Lab Sample ID: 880-1331-181

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:28 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-27 (1'-1.5')

Lab Sample ID: 880-1331-181

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 14:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 14:28 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:16 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 91        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 21:16 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 21:16 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5180   |           | 24.8 |     | mg/Kg |   |          | 04/19/21 19:13 | 5       |

Client Sample ID: AH-27 (2'-2.5')

Lab Sample ID: 880-1331-183

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6880   |           | 50.3 |     | mg/Kg |   |          | 04/19/21 19:28 | 10      |

Client Sample ID: AH-27 (3'-3.5')

Lab Sample ID: 880-1331-185

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9710   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 19:33 | 10      |

Client Sample ID: AH-27 (4'-4.5')

Lab Sample ID: 880-1331-187

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9280   |           | 49.7 |     | mg/Kg |   |          | 04/19/21 19:49 | 10      |

Client Sample ID: AH-28 (0"-6")

Lab Sample ID: 880-1331-189

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte      | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene      | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| Toluene      | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| Ethylbenzene | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-28 (0"-6")

Lab Sample ID: 880-1331-189

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| Total BTEX                  | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 14:49 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |
| Total TPH                            | <49.8     | U         | 49.8     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |
| o-Terphenyl                          | 83        |           | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 21:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4650   |           | 25.0 |     | mg/Kg |   |          | 04/19/21 19:54 | 5       |

Client Sample ID: AH-28 (1'-1.5')

Lab Sample ID: 880-1331-191

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| Total BTEX                  | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 15:09 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:59 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 21:59 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-28 (1'-1.5')

Lab Sample ID: 880-1331-191

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 21:59 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 21:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7330   |           | 49.6 |     | mg/Kg |   |          | 04/19/21 19:59 | 10      |

Client Sample ID: AH-28 (2'-2.5')

Lab Sample ID: 880-1331-193

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6720   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 20:04 | 10      |

Client Sample ID: AH-28 (3'-3.5')

Lab Sample ID: 880-1331-195

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7450   |           | 49.5 |     | mg/Kg |   |          | 04/19/21 20:09 | 10      |

Client Sample ID: AH-29 (0"-6")

Lab Sample ID: 880-1331-197

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 15:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 15:30 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:20 | 1       |
| Diesel Range Organics (Over C10-C28) | 202    |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:20 | 1       |
| Oil Range Organics (Over C28-C36)    | 75.5   |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:20 | 1       |
| Total TPH                            | 278    |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:20 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 22:20 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-29 (0"-6")

Lab Sample ID: 880-1331-197

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Surrogate   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 89        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 22:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9140   |           | 49.5 |     | mg/Kg |   |          | 04/19/21 20:14 | 10      |

Client Sample ID: AH-29 (1'-1.5')

Lab Sample ID: 880-1331-199

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 15:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 15:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 15:50 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 50.7   |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:41 | 1       |
| Diesel Range Organics (Over C10-C28) | 103    |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:41 | 1       |
| Total TPH                            | 154    |           | 50.0 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 22:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 22:41 | 1       |
| o-Terphenyl    | 89        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 22:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7000   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 20:19 | 10      |

Client Sample ID: AH-29 (2'-2.5')

Lab Sample ID: 880-1331-201

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6500   |           | 50.0 |     | mg/Kg |   |          | 04/19/21 17:47 | 10      |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-29 (3'-3.5')

Lab Sample ID: 880-1331-203

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2210   |           | 25.1 |     | mg/Kg |   |          | 04/19/21 18:03 | 5       |

Client Sample ID: AH-30 (0"-6")

Lab Sample ID: 880-1331-205

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| Total BTEX          | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 16:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 04/19/21 13:30 | 04/20/21 16:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 23:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 23:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 23:03 | 1       |
| Total TPH                            | <50.1  | U         | 50.1 |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 23:03 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 104       |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 23:03 | 1       |
| o-Terphenyl    | 93        |           | 70 - 130 | 04/16/21 09:31 | 04/16/21 23:03 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2970   |           | 25.0 |     | mg/Kg |   |          | 04/19/21 18:08 | 5       |

Client Sample ID: AH-30 (1'-1.5')

Lab Sample ID: 880-1331-207

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| Total BTEX          | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-30 (1'-1.5')

Lab Sample ID: 880-1331-207

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Surrogate                                                  | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|------------------------------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)                                | 112       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| 1,4-Difluorobenzene (Surr)                                 | 109       |           | 70 - 130 |     |       |   | 04/19/21 13:30 | 04/20/21 16:31 | 1       |
| <b>Method: 8015B NM - Diesel Range Organics (DRO) (GC)</b> |           |           |          |     |       |   |                |                |         |
| Analyte                                                    | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                       | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |
| Diesel Range Organics (Over C10-C28)                       | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |
| Oil Range Organics (Over C28-C36)                          | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |
| Total TPH                                                  | <49.9     | U         | 49.9     |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |
|                                                            |           |           |          |     |       |   |                |                |         |
| Surrogate                                                  | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                             | 127       |           | 70 - 130 |     |       |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |
| o-Terphenyl                                                | 113       |           | 70 - 130 |     |       |   | 04/16/21 12:09 | 04/17/21 19:12 | 1       |

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8750   |           | 49.5 |     | mg/Kg |   |          | 04/19/21 18:13 | 10      |

Client Sample ID: AH-30 (2'-2.5')

Lab Sample ID: 880-1331-209

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| <b>Method: 300.0 - Anions, Ion Chromatography - Soluble</b> |        |           |      |     |       |   |          |                |         |
|-------------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                                     | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                    | 6120   |           | 49.7 |     | mg/Kg |   |          | 04/19/21 18:18 | 10      |

Client Sample ID: AH-30 (3'-3.5')

Lab Sample ID: 880-1331-211

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| <b>Method: 300.0 - Anions, Ion Chromatography - Soluble</b> |        |           |      |     |       |   |          |                |         |
|-------------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                                     | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                    | 6310   |           | 49.5 |     | mg/Kg |   |          | 04/19/21 18:33 | 10      |

Client Sample ID: AH-30 (4'-4.5')

Lab Sample ID: 880-1331-213

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| <b>Method: 300.0 - Anions, Ion Chromatography - Soluble</b> |        |           |      |     |       |   |          |                |         |
|-------------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                                     | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                    | 6660   |           | 49.5 |     | mg/Kg |   |          | 04/19/21 18:38 | 10      |

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## Surrogate Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
|                 |                  | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-1331-1      | H-1 (0"-6")      | 123                                            | 90                |
| 880-1331-2      | H-2 (0"-6")      | 133 S1+                                        | 102               |
| 880-1331-3      | H-3 (0"-6")      | 139 S1+                                        | 108               |
| 880-1331-4      | H-4 (0"-6")      | 146 S1+                                        | 106               |
| 880-1331-5      | H-5 (0"-6")      | 137 S1+                                        | 100               |
| 880-1331-6      | H-6 (0"-6")      | 128                                            | 85                |
| 880-1331-7      | H-7 (0"-6")      | 129                                            | 97                |
| 880-1331-8      | H-8 (0"-6")      | 146 S1+                                        | 105               |
| 880-1331-9      | H-9 (0"-6")      | 132 S1+                                        | 101               |
| 880-1331-10     | H-10 (0"-6")     | 137 S1+                                        | 102               |
| 880-1331-11     | H-11 (0"-6")     | 143 S1+                                        | 104               |
| 880-1331-12     | H-12 (0"-6")     | 146 S1+                                        | 102               |
| 880-1331-13     | H-13 (0"-6")     | 139 S1+                                        | 92                |
| 880-1331-14     | H-14 (0"-6")     | 152 S1+                                        | 106               |
| 880-1331-15     | H-15 (0"-6")     | 140 S1+                                        | 103               |
| 880-1331-16     | H-16 (0"-6")     | 100                                            | 107               |
| 880-1331-16 MS  | H-16 (0"-6")     | 151 S1+                                        | 101               |
| 880-1331-16 MSD | H-16 (0"-6")     | 99                                             | 97                |
| 880-1331-17     | H-17 (0"-6")     | 123                                            | 108               |
| 880-1331-18     | H-18 (0"-6")     | 120                                            | 121               |
| 880-1331-19     | H-19 (0"-6")     | 143 S1+                                        | 99                |
| 880-1331-20     | H-20 (0"-6")     | 106                                            | 112               |
| 880-1331-21     | H-21 (0"-6")     | 104                                            | 108               |
| 880-1331-22     | H-22 (0"-6")     | 185 S1+                                        | 105               |
| 880-1331-23     | H-23 (0"-6")     | 112                                            | 111               |
| 880-1331-24     | H-24 (0"-6")     | 150 S1+                                        | 76                |
| 880-1331-25     | H-25 (0"-6")     | 100                                            | 107               |
| 880-1331-26     | H-26 (0"-6")     | 176 S1+                                        | 81                |
| 880-1331-27     | H-27 (0"-6")     | 100                                            | 117               |
| 880-1331-28     | H-28 (0"-6")     | 105                                            | 114               |
| 880-1331-29     | H-29 (0"-6")     | 158 S1+                                        | 85                |
| 880-1331-30     | H-30 (0"-6")     | 187 S1+                                        | 82                |
| 880-1331-31     | AH-1 (0"-6")     | 173 S1+                                        | 89                |
| 880-1331-33     | AH-1 (1'-1.5')   | 103                                            | 117               |
| 880-1331-35     | AH-2 (0"-6")     | 89                                             | 111               |
| 880-1331-37     | AH-2 (1'-1.5')   | 195 S1+                                        | 85                |
| 880-1331-45     | AH-3 (0"-6")     | 104                                            | 106               |
| 880-1331-47     | AH-3 (1'-1.5')   | 103                                            | 107               |
| 880-1331-53     | AH-4 (0"-6")     | 108                                            | 109               |
| 880-1331-54     | AH-5 (0"-6")     | 107                                            | 107               |
| 880-1331-56     | AH-5 (1'-1.5')   | 106                                            | 108               |
| 880-1331-62     | AH-6 (0"-6")     | 119                                            | 110               |
| 880-1331-64     | AH-6 (1'-1.5')   | 92                                             | 113               |
| 880-1331-72     | AH-7 (0"-6")     | 105                                            | 111               |
| 880-1331-74     | AH-7 (1'-1.5')   | 99                                             | 111               |
| 880-1331-80     | AH-8 (0"-6")     | 100                                            | 112               |
| 880-1331-82     | AH-8 (1'-1.5')   | 104                                            | 114               |
| 880-1331-90     | AH-9 (0"-6")     | 99                                             | 113               |
| 880-1331-92     | AH-9 (1'-1.5')   | 100                                            | 122               |

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## Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1

SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-1331-99       | AH-10 (0"-6")          | 103                                            | 113               |
| 880-1331-101      | AH-10 (1'-1.5')        | 94                                             | 105               |
| 880-1331-109      | AH-11 (0"-6")          | 97                                             | 114               |
| 880-1331-111      | AH-11 (1'-1.5')        | 96                                             | 112               |
| 880-1331-118      | AH-12 (0"-6")          | 98                                             | 113               |
| 880-1331-122      | AH-14 (0"-6")          | 134 S1+                                        | 87                |
| 880-1331-122 MS   | AH-14 (0"-6")          | 125                                            | 100               |
| 880-1331-122 MSD  | AH-14 (0"-6")          | 135 S1+                                        | 109               |
| 880-1331-124      | AH-14 (1'-1.5')        | 113                                            | 84                |
| 880-1331-126      | AH-15 (0"-6")          | 124                                            | 86                |
| 880-1331-128      | AH-15 (1'-1.5')        | 153 S1+                                        | 113               |
| 880-1331-129      | AH-16 (0"-6")          | 152 S1+                                        | 110               |
| 880-1331-131      | AH-17 (0"-6")          | 148 S1+                                        | 107               |
| 880-1331-133      | AH-17 (1'-1.5')        | 155 S1+                                        | 108               |
| 880-1331-135      | AH-18 (0"-6")          | 156 S1+                                        | 110               |
| 880-1331-137      | AH-19 (0"-6")          | 147 S1+                                        | 107               |
| 880-1331-139      | AH-20 (0"-6")          | 153 S1+                                        | 106               |
| 880-1331-141      | AH-20 (1'-1.5')        | 147 S1+                                        | 92                |
| 880-1331-149      | AH-21 (0"-6")          | 148 S1+                                        | 101               |
| 880-1331-151      | AH-21 (1'-1.5')        | 142 S1+                                        | 93                |
| 880-1331-159      | AH-22 (0"-6")          | 152 S1+                                        | 106               |
| 880-1331-161      | AH-22 (1'-1.5')        | 145 S1+                                        | 103               |
| 880-1331-166      | AH-23 (0"-6")          | 160 S1+                                        | 105               |
| 880-1331-167      | AH-24 (0"-6")          | 120                                            | 101               |
| 880-1331-169      | AH-24 (1'-1.5')        | 121                                            | 89                |
| 880-1331-172      | AH-25 (0"-6")          | 127                                            | 91                |
| 880-1331-174      | AH-26 (0"-6")          | 158 S1+                                        | 106               |
| 880-1331-176      | AH-26 (1'-1.5')        | 104                                            | 106               |
| 880-1331-176 MS   | AH-26 (1'-1.5')        | 102                                            | 105               |
| 880-1331-176 MSD  | AH-26 (1'-1.5')        | 102                                            | 105               |
| 880-1331-179      | AH-27 (0"-6")          | 107                                            | 107               |
| 880-1331-181      | AH-27 (1'-1.5')        | 109                                            | 107               |
| 880-1331-189      | AH-28 (0"-6")          | 109                                            | 108               |
| 880-1331-191      | AH-28 (1'-1.5')        | 108                                            | 109               |
| 880-1331-197      | AH-29 (0"-6")          | 105                                            | 108               |
| 880-1331-199      | AH-29 (1'-1.5')        | 108                                            | 108               |
| 880-1331-205      | AH-30 (0"-6")          | 105                                            | 108               |
| 880-1331-207      | AH-30 (1'-1.5')        | 112                                            | 109               |
| LCS 880-1872/1-A  | Lab Control Sample     | 117                                            | 101               |
| LCS 880-1880/1-A  | Lab Control Sample     | 87                                             | 97                |
| LCS 880-1889/1-A  | Lab Control Sample     | 102                                            | 105               |
| LCS 880-1901/1-A  | Lab Control Sample     | 89                                             | 108               |
| LCS 880-1965/1-A  | Lab Control Sample     | 111                                            | 103               |
| LCS 880-1975/1-A  | Lab Control Sample     | 98                                             | 106               |
| LCS 880-1985/1-A  | Lab Control Sample     | 96                                             | 102               |
| LCSD 880-1872/2-A | Lab Control Sample Dup | 131 S1+                                        | 110               |
| LCSD 880-1880/2-A | Lab Control Sample Dup | 90                                             | 106               |
| LCSD 880-1889/2-A | Lab Control Sample Dup | 102                                            | 106               |
| LCSD 880-1901/2-A | Lab Control Sample Dup | 88                                             | 108               |
| LCSD 880-1965/2-A | Lab Control Sample Dup | 121                                            | 107               |

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## Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1

SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| LCSD 880-1975/2-A                 | Lab Control Sample Dup | 98                                             | 106               |
| LCSD 880-1985/2-A                 | Lab Control Sample Dup | 95                                             | 101               |
| MB 880-1868/5-A                   | Method Blank           | 85                                             | 83                |
| MB 880-1872/5-A                   | Method Blank           | 86                                             | 82                |
| MB 880-1880/5-A                   | Method Blank           | 139 S1+                                        | 113               |
| MB 880-1889/5-A                   | Method Blank           | 100                                            | 101               |
| MB 880-1895/5-A                   | Method Blank           | 99                                             | 103               |
| MB 880-1901/5-A                   | Method Blank           | 109                                            | 89                |
| MB 880-1965/5-A                   | Method Blank           | 87                                             | 85                |
| MB 880-1975/5-A                   | Method Blank           | 97                                             | 103               |
| MB 880-1985/5-A                   | Method Blank           | 100                                            | 102               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                 |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID   | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-1331-1      | H-1 (0"-6")      | 83                                             | 75                |
| 880-1331-1 MS   | H-1 (0"-6")      | 84                                             | 69 S1-            |
| 880-1331-1 MSD  | H-1 (0"-6")      | 84                                             | 68 S1-            |
| 880-1331-2      | H-2 (0"-6")      | 82                                             | 75                |
| 880-1331-3      | H-3 (0"-6")      | 76                                             | 70                |
| 880-1331-4      | H-4 (0"-6")      | 86                                             | 81                |
| 880-1331-5      | H-5 (0"-6")      | 80                                             | 74                |
| 880-1331-6      | H-6 (0"-6")      | 75                                             | 67 S1-            |
| 880-1331-7      | H-7 (0"-6")      | 88                                             | 81                |
| 880-1331-8      | H-8 (0"-6")      | 84                                             | 77                |
| 880-1331-9      | H-9 (0"-6")      | 100                                            | 90                |
| 880-1331-10     | H-10 (0"-6")     | 80                                             | 72                |
| 880-1331-11     | H-11 (0"-6")     | 78                                             | 71                |
| 880-1331-12     | H-12 (0"-6")     | 78                                             | 70                |
| 880-1331-13     | H-13 (0"-6")     | 99                                             | 87                |
| 880-1331-14     | H-14 (0"-6")     | 85                                             | 78                |
| 880-1331-15     | H-15 (0"-6")     | 83                                             | 76                |
| 880-1331-16     | H-16 (0"-6")     | 91                                             | 85                |
| 880-1331-17     | H-17 (0"-6")     | 82                                             | 75                |
| 880-1331-18     | H-18 (0"-6")     | 86                                             | 80                |
| 880-1331-19     | H-19 (0"-6")     | 77                                             | 71                |
| 880-1331-20     | H-20 (0"-6")     | 94                                             | 89                |
| 880-1331-21     | H-21 (0"-6")     | 88                                             | 82                |
| 880-1331-21 MS  | H-21 (0"-6")     | 84                                             | 71                |
| 880-1331-21 MSD | H-21 (0"-6")     | 88                                             | 72                |
| 880-1331-22     | H-22 (0"-6")     | 77                                             | 70                |
| 880-1331-23     | H-23 (0"-6")     | 79                                             | 74                |
| 880-1331-24     | H-24 (0"-6")     | 79                                             | 72                |
| 880-1331-25     | H-25 (0"-6")     | 79                                             | 73                |

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## Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1

SDG: Eddy County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                   |
|------------------|------------------|------------------------------------------------|-------------------|
|                  |                  | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-1331-26      | H-26 (0"-6")     | 73                                             | 64 S1-            |
| 880-1331-27      | H-27 (0"-6")     | 86                                             | 79                |
| 880-1331-28      | H-28 (0"-6")     | 77                                             | 71                |
| 880-1331-29      | H-29 (0"-6")     | 71                                             | 63 S1-            |
| 880-1331-30      | H-30 (0"-6")     | 78                                             | 72                |
| 880-1331-31      | AH-1 (0"-6")     | 92                                             | 80                |
| 880-1331-33      | AH-1 (1'-1.5')   | 85                                             | 80                |
| 880-1331-35      | AH-2 (0"-6")     | 81                                             | 79                |
| 880-1331-37      | AH-2 (1'-1.5')   | 81                                             | 77                |
| 880-1331-45      | AH-3 (0"-6")     | 93                                             | 87                |
| 880-1331-47      | AH-3 (1'-1.5')   | 88                                             | 83                |
| 880-1331-53      | AH-4 (0"-6")     | 99                                             | 92                |
| 880-1331-54      | AH-5 (0"-6")     | 93                                             | 88                |
| 880-1331-56      | AH-5 (1'-1.5')   | 95                                             | 90                |
| 880-1331-62      | AH-6 (0"-6")     | 84                                             | 78                |
| 880-1331-64      | AH-6 (1'-1.5')   | 102                                            | 100               |
| 880-1331-64 MS   | AH-6 (1'-1.5')   | 105                                            | 91                |
| 880-1331-64 MSD  | AH-6 (1'-1.5')   | 114                                            | 100               |
| 880-1331-72      | AH-7 (0"-6")     | 114                                            | 110               |
| 880-1331-74      | AH-7 (1'-1.5')   | 113                                            | 107               |
| 880-1331-80      | AH-8 (0"-6")     | 110                                            | 104               |
| 880-1331-82      | AH-8 (1'-1.5')   | 110                                            | 106               |
| 880-1331-90      | AH-9 (0"-6")     | 112                                            | 107               |
| 880-1331-92      | AH-9 (1'-1.5')   | 107                                            | 104               |
| 880-1331-99      | AH-10 (0"-6")    | 110                                            | 107               |
| 880-1331-101     | AH-10 (1'-1.5')  | 110                                            | 106               |
| 880-1331-109     | AH-11 (0"-6")    | 107                                            | 102               |
| 880-1331-111     | AH-11 (1'-1.5')  | 103                                            | 98                |
| 880-1331-118     | AH-12 (0"-6")    | 101                                            | 97                |
| 880-1331-122     | AH-14 (0"-6")    | 105                                            | 102               |
| 880-1331-124     | AH-14 (1'-1.5')  | 103                                            | 101               |
| 880-1331-126     | AH-15 (0"-6")    | 60 S1-                                         | 101               |
| 880-1331-128     | AH-15 (1'-1.5')  | 103                                            | 102               |
| 880-1331-129     | AH-16 (0"-6")    | 106                                            | 105               |
| 880-1331-131     | AH-17 (0"-6")    | 104                                            | 103               |
| 880-1331-133     | AH-17 (1'-1.5')  | 105                                            | 102               |
| 880-1331-135     | AH-18 (0"-6")    | 100                                            | 96                |
| 880-1331-137     | AH-19 (0"-6")    | 92                                             | 82                |
| 880-1331-137 MS  | AH-19 (0"-6")    | 96                                             | 75                |
| 880-1331-137 MSD | AH-19 (0"-6")    | 112                                            | 88                |
| 880-1331-139     | AH-20 (0"-6")    | 90                                             | 83                |
| 880-1331-141     | AH-20 (1'-1.5')  | 89                                             | 83                |
| 880-1331-149     | AH-21 (0"-6")    | 103                                            | 96                |
| 880-1331-151     | AH-21 (1'-1.5')  | 90                                             | 83                |
| 880-1331-159     | AH-22 (0"-6")    | 91                                             | 84                |
| 880-1331-161     | AH-22 (1'-1.5')  | 90                                             | 83                |
| 880-1331-166     | AH-23 (0"-6")    | 92                                             | 84                |
| 880-1331-167     | AH-24 (0"-6")    | 101                                            | 91                |
| 880-1331-169     | AH-24 (1'-1.5')  | 92                                             | 84                |
| 880-1331-172     | AH-25 (0"-6")    | 100                                            | 90                |

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# Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1

SDG: Eddy County, NM

**Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**
**Matrix: Solid**
**Prep Type: Total/NA**

|                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID     | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-1331-174      | AH-26 (0"-6")          | 90                                             | 82                |
| 880-1331-176      | AH-26 (1'-1.5')        | 94                                             | 86                |
| 880-1331-179      | AH-27 (0"-6")          | 110                                            | 97                |
| 880-1331-181      | AH-27 (1'-1.5')        | 91                                             | 83                |
| 880-1331-189      | AH-28 (0"-6")          | 94                                             | 83                |
| 880-1331-191      | AH-28 (1'-1.5')        | 92                                             | 87                |
| 880-1331-197      | AH-29 (0"-6")          | 93                                             | 89                |
| 880-1331-199      | AH-29 (1'-1.5')        | 93                                             | 89                |
| 880-1331-205      | AH-30 (0"-6")          | 104                                            | 93                |
| 880-1331-207      | AH-30 (1'-1.5')        | 127                                            | 113               |
| LCS 880-1859/2-A  | Lab Control Sample     | 95                                             | 80                |
| LCS 880-1860/2-A  | Lab Control Sample     | 101                                            | 86                |
| LCS 880-1861/2-A  | Lab Control Sample     | 111                                            | 93                |
| LCS 880-1864/2-A  | Lab Control Sample     | 96                                             | 80                |
| LCS 880-1894/2-A  | Lab Control Sample     | 95                                             | 78                |
| LCSD 880-1859/3-A | Lab Control Sample Dup | 96                                             | 81                |
| LCSD 880-1860/3-A | Lab Control Sample Dup | 98                                             | 84                |
| LCSD 880-1861/3-A | Lab Control Sample Dup | 109                                            | 91                |
| LCSD 880-1864/3-A | Lab Control Sample Dup | 94                                             | 78                |
| LCSD 880-1894/3-A | Lab Control Sample Dup | 117                                            | 101               |
| MB 880-1859/1-A   | Method Blank           | 97                                             | 90                |
| MB 880-1860/1-A   | Method Blank           | 89                                             | 86                |
| MB 880-1861/1-A   | Method Blank           | 103                                            | 97                |
| MB 880-1864/1-A   | Method Blank           | 105                                            | 98                |
| MB 880-1894/1-A   | Method Blank           | 93                                             | 91                |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1868/5-A

Matrix: Solid

Analysis Batch: 1897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1868

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| Total BTEX          | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:07 | 04/16/21 15:45 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85           |              | 70 - 130 | 04/16/21 10:07 | 04/16/21 15:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83           |              | 70 - 130 | 04/16/21 10:07 | 04/16/21 15:45 | 1       |

Lab Sample ID: MB 880-1872/5-A

Matrix: Solid

Analysis Batch: 1897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1872

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| Total BTEX          | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 10:29 | 04/17/21 05:45 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86           |              | 70 - 130 | 04/16/21 10:29 | 04/17/21 05:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82           |              | 70 - 130 | 04/16/21 10:29 | 04/17/21 05:45 | 1       |

Lab Sample ID: LCS 880-1872/1-A

Matrix: Solid

Analysis Batch: 1897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1872

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene             | 0.100       | 0.1034     |               | mg/Kg |   | 103  | 70 - 130     |
| Toluene             | 0.100       | 0.1131     |               | mg/Kg |   | 113  | 70 - 130     |
| Ethylbenzene        | 0.100       | 0.1043     |               | mg/Kg |   | 104  | 70 - 130     |
| m-Xylene & p-Xylene | 0.200       | 0.2098     |               | mg/Kg |   | 105  | 70 - 130     |
| o-Xylene            | 0.100       | 0.1143     |               | mg/Kg |   | 114  | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 117           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101           |               | 70 - 130 |

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-1872/2-A

Matrix: Solid

Analysis Batch: 1897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1872

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene             | 0.100       | 0.1024      |                | mg/Kg |   | 102  | 70 - 130     | 1   | 35        |
| Toluene             | 0.100       | 0.1151      |                | mg/Kg |   | 115  | 70 - 130     | 2   | 35        |
| Ethylbenzene        | 0.100       | 0.1054      |                | mg/Kg |   | 105  | 70 - 130     | 1   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2137      |                | mg/Kg |   | 107  | 70 - 130     | 2   | 35        |
| o-Xylene            | 0.100       | 0.1185      |                | mg/Kg |   | 119  | 70 - 130     | 4   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 131            | S1+            | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110            |                | 70 - 130 |

Lab Sample ID: MB 880-1880/5-A

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1880

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| Total BTEX          | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 11:10 | 04/16/21 19:18 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 139          | S1+          | 70 - 130 | 04/16/21 11:10 | 04/16/21 19:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113          |              | 70 - 130 | 04/16/21 11:10 | 04/16/21 19:18 | 1       |

Lab Sample ID: LCS 880-1880/1-A

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1880

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene             | 0.100       | 0.07458    |               | mg/Kg |   | 75   | 70 - 130     |
| Toluene             | 0.100       | 0.08592    |               | mg/Kg |   | 86   | 70 - 130     |
| Ethylbenzene        | 0.100       | 0.08572    |               | mg/Kg |   | 86   | 70 - 130     |
| m-Xylene & p-Xylene | 0.200       | 0.1706     |               | mg/Kg |   | 85   | 70 - 130     |
| o-Xylene            | 0.100       | 0.08174    |               | mg/Kg |   | 82   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 87            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

Lab Sample ID: LCSD 880-1880/2-A

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1880

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100       | 0.07520     |                | mg/Kg |   | 75   | 70 - 130     | 1   | 35        |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-1880/2-A

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1880

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Toluene             | 0.100       | 0.08948     |                | mg/Kg |   | 89   | 70 - 130     | 4   | 35        |
| Ethylbenzene        | 0.100       | 0.08770     |                | mg/Kg |   | 88   | 70 - 130     | 2   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1762      |                | mg/Kg |   | 88   | 70 - 130     | 3   | 35        |
| o-Xylene            | 0.100       | 0.09001     |                | mg/Kg |   | 90   | 70 - 130     | 10  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 90             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106            |                | 70 - 130 |

Lab Sample ID: 880-1331-16 MS

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: H-16 (0"-6")

Prep Type: Total/NA

Prep Batch: 1880

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene             | <0.00200      | U F1             | 0.101       | 0.05534   | F1           | mg/Kg |   | 55   | 70 - 130     |
| Toluene             | <0.00200      | U                | 0.101       | 0.07600   |              | mg/Kg |   | 75   | 70 - 130     |
| Ethylbenzene        | <0.00200      | U                | 0.101       | 0.1071    |              | mg/Kg |   | 106  | 70 - 130     |
| m-Xylene & p-Xylene | <0.00399      | U F2             | 0.202       | 0.2236    |              | mg/Kg |   | 111  | 70 - 130     |
| o-Xylene            | <0.00200      | U F2             | 0.101       | 0.1148    |              | mg/Kg |   | 114  | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 151          | S1+          | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 880-1331-16 MSD

Matrix: Solid

Analysis Batch: 1902

Client Sample ID: H-16 (0"-6")

Prep Type: Total/NA

Prep Batch: 1880

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene             | <0.00200      | U F1             | 0.100       | 0.05954    | F1            | mg/Kg |   | 59   | 70 - 130     | 7   | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.07254    |               | mg/Kg |   | 72   | 70 - 130     | 5   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.07751    |               | mg/Kg |   | 77   | 70 - 130     | 32  | 35        |
| m-Xylene & p-Xylene | <0.00399      | U F2             | 0.201       | 0.1467     | F2            | mg/Kg |   | 73   | 70 - 130     | 42  | 35        |
| o-Xylene            | <0.00200      | U F2             | 0.100       | 0.07466    | F2            | mg/Kg |   | 74   | 70 - 130     | 42  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

Lab Sample ID: MB 880-1889/5-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1889

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1889/5-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1889

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| Total BTEX     | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/16/21 11:45 | 04/17/21 07:25 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100             |                 | 70 - 130 | 04/16/21 11:45 | 04/17/21 07:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101             |                 | 70 - 130 | 04/16/21 11:45 | 04/17/21 07:25 | 1       |

Lab Sample ID: LCS 880-1889/1-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1889

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| Benzene             | 0.100          | 0.08467       |                  | mg/Kg |   | 85   | 70 - 130        |
| Toluene             | 0.100          | 0.08823       |                  | mg/Kg |   | 88   | 70 - 130        |
| Ethylbenzene        | 0.100          | 0.09208       |                  | mg/Kg |   | 92   | 70 - 130        |
| m-Xylene & p-Xylene | 0.200          | 0.1867        |                  | mg/Kg |   | 93   | 70 - 130        |
| o-Xylene            | 0.100          | 0.09378       |                  | mg/Kg |   | 94   | 70 - 130        |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-1889/2-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1889

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|-------|
| Benzene             | 0.100          | 0.09488        |                   | mg/Kg |   | 95   | 70 - 130        | 11  | 35    |
| Toluene             | 0.100          | 0.09428        |                   | mg/Kg |   | 94   | 70 - 130        | 7   | 35    |
| Ethylbenzene        | 0.100          | 0.09638        |                   | mg/Kg |   | 96   | 70 - 130        | 5   | 35    |
| m-Xylene & p-Xylene | 0.200          | 0.1940         |                   | mg/Kg |   | 97   | 70 - 130        | 4   | 35    |
| o-Xylene            | 0.100          | 0.09674        |                   | mg/Kg |   | 97   | 70 - 130        | 3   | 35    |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106               |                   | 70 - 130 |

Lab Sample ID: MB 880-1895/5-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1895

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1895/5-A

Matrix: Solid

Analysis Batch: 1905

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1895

| Analyte                     | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Xylenes, Total              | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| Total BTEX                  | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |     |       |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103          |              | 70 - 130 |     |       |   | 04/16/21 12:15 | 04/16/21 19:50 | 1       |

Lab Sample ID: MB 880-1901/5-A

Matrix: Solid

Analysis Batch: 1966

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1901

| Analyte                     | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| Toluene                     | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| Ethylbenzene                | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| m-Xylene & p-Xylene         | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| o-Xylene                    | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| Xylenes, Total              | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| Total BTEX                  | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109          |              | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89           |              | 70 - 130 |     |       |   | 04/16/21 15:25 | 04/19/21 13:34 | 1       |

Lab Sample ID: LCS 880-1901/1-A

Matrix: Solid

Analysis Batch: 1966

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1901

| Analyte                     | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Benzene                     | 0.100         | 0.09330       |               | mg/Kg |   | 93   | 70 - 130     |
| Toluene                     | 0.100         | 0.09946       |               | mg/Kg |   | 99   | 70 - 130     |
| Ethylbenzene                | 0.100         | 0.09902       |               | mg/Kg |   | 99   | 70 - 130     |
| m-Xylene & p-Xylene         | 0.200         | 0.1966        |               | mg/Kg |   | 98   | 70 - 130     |
| o-Xylene                    | 0.100         | 0.09692       |               | mg/Kg |   | 97   | 70 - 130     |
| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |
| 4-Bromofluorobenzene (Surr) | 89            |               | 70 - 130      |       |   |      |              |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130      |       |   |      |              |

Lab Sample ID: LCSD 880-1901/2-A

Matrix: Solid

Analysis Batch: 1966

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1901

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene             | 0.100       | 0.09251     |                | mg/Kg |   | 93   | 70 - 130     | 1   | 35    |
| Toluene             | 0.100       | 0.09484     |                | mg/Kg |   | 95   | 70 - 130     | 5   | 35    |
| Ethylbenzene        | 0.100       | 0.09385     |                | mg/Kg |   | 94   | 70 - 130     | 5   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.1858      |                | mg/Kg |   | 93   | 70 - 130     | 6   | 35    |

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-1901/2-A

Matrix: Solid

Analysis Batch: 1966

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1901

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| o-Xylene | 0.100       | 0.09071     |                | mg/Kg |   | 91   | 70 - 130     | 7   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 88             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108            |                | 70 - 130 |

Lab Sample ID: MB 880-1965/5-A

Matrix: Solid

Analysis Batch: 2056

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1965

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| Total BTEX          | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 10:02 | 04/20/21 19:02 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87           |              | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85           |              | 70 - 130 | 04/19/21 10:02 | 04/20/21 19:02 | 1       |

Lab Sample ID: LCS 880-1965/1-A

Matrix: Solid

Analysis Batch: 2056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1965

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene             | 0.100       | 0.1091     |               | mg/Kg |   | 109  | 70 - 130     |
| Toluene             | 0.100       | 0.1143     |               | mg/Kg |   | 114  | 70 - 130     |
| Ethylbenzene        | 0.100       | 0.1073     |               | mg/Kg |   | 107  | 70 - 130     |
| m-Xylene & p-Xylene | 0.200       | 0.2188     |               | mg/Kg |   | 109  | 70 - 130     |
| o-Xylene            | 0.100       | 0.1171     |               | mg/Kg |   | 117  | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 111           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 880-1965/2-A

Matrix: Solid

Analysis Batch: 2056

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1965

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene             | 0.100       | 0.1101      |                | mg/Kg |   | 110  | 70 - 130     | 1   | 35        |
| Toluene             | 0.100       | 0.1044      |                | mg/Kg |   | 104  | 70 - 130     | 9   | 35        |
| Ethylbenzene        | 0.100       | 0.1118      |                | mg/Kg |   | 112  | 70 - 130     | 4   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2292      |                | mg/Kg |   | 115  | 70 - 130     | 5   | 35        |
| o-Xylene            | 0.100       | 0.1254      |                | mg/Kg |   | 125  | 70 - 130     | 7   | 35        |

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 121               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107               |                   | 70 - 130 |

Lab Sample ID: 880-1331-122 MS

Matrix: Solid

Analysis Batch: 2056

Client Sample ID: AH-14 (0"-6")

Prep Type: Total/NA

Prep Batch: 1965

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Benzene             | <0.00198         | U F2 F1             | 0.0990         | 0.04643      | F1              | mg/Kg |   | 47   | 70 - 130        |
| Toluene             | <0.00198         | U F2 F1             | 0.0990         | 0.04970      | F1              | mg/Kg |   | 50   | 70 - 130        |
| Ethylbenzene        | <0.00198         | U F2 F1             | 0.0990         | 0.05222      | F1              | mg/Kg |   | 53   | 70 - 130        |
| m-Xylene & p-Xylene | <0.00397         | U F2 F1             | 0.198          | 0.09832      | F1              | mg/Kg |   | 50   | 70 - 130        |
| o-Xylene            | <0.00198         | U F2 F1             | 0.0990         | 0.06445      | F1              | mg/Kg |   | 65   | 70 - 130        |

| Surrogate                   | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|-----------------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene (Surr) | 125             |                 | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100             |                 | 70 - 130 |

Lab Sample ID: 880-1331-122 MSD

Matrix: Solid

Analysis Batch: 2056

Client Sample ID: AH-14 (0"-6")

Prep Type: Total/NA

Prep Batch: 1965

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Benzene             | <0.00198         | U F2 F1             | 0.0996         | 0.09120       | F2               | mg/Kg |   | 92   | 70 - 130        | 65  | 35           |
| Toluene             | <0.00198         | U F2 F1             | 0.0996         | 0.08765       | F2               | mg/Kg |   | 88   | 70 - 130        | 55  | 35           |
| Ethylbenzene        | <0.00198         | U F2 F1             | 0.0996         | 0.08763       | F2               | mg/Kg |   | 88   | 70 - 130        | 51  | 35           |
| m-Xylene & p-Xylene | <0.00397         | U F2 F1             | 0.199          | 0.1648        | F2               | mg/Kg |   | 83   | 70 - 130        | 51  | 35           |
| o-Xylene            | <0.00198         | U F2 F1             | 0.0996         | 0.1019        | F2               | mg/Kg |   | 102  | 70 - 130        | 45  | 35           |

| Surrogate                   | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 135              | S1+              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109              |                  | 70 - 130 |

Lab Sample ID: MB 880-1975/5-A

Matrix: Solid

Analysis Batch: 1974

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1975

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| Total BTEX          | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 04/19/21 11:01 | 04/19/21 13:55 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97              |                 | 70 - 130 | 04/19/21 11:01 | 04/19/21 13:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103             |                 | 70 - 130 | 04/19/21 11:01 | 04/19/21 13:55 | 1       |

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-1975/1-A

Matrix: Solid

Analysis Batch: 1974

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1975

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene             | 0.100       | 0.08818    |               | mg/Kg |   | 88   | 70 - 130     |
| Toluene             | 0.100       | 0.09256    |               | mg/Kg |   | 93   | 70 - 130     |
| Ethylbenzene        | 0.100       | 0.09748    |               | mg/Kg |   | 97   | 70 - 130     |
| m-Xylene & p-Xylene | 0.200       | 0.1951     |               | mg/Kg |   | 98   | 70 - 130     |
| o-Xylene            | 0.100       | 0.09469    |               | mg/Kg |   | 95   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 98            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106           |               | 70 - 130 |

Lab Sample ID: LCSD 880-1975/2-A

Matrix: Solid

Analysis Batch: 1974

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1975

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene             | 0.100       | 0.09326     |                | mg/Kg |   | 93   | 70 - 130     | 6   | 35        |
| Toluene             | 0.100       | 0.09526     |                | mg/Kg |   | 95   | 70 - 130     | 3   | 35        |
| Ethylbenzene        | 0.100       | 0.1020      |                | mg/Kg |   | 102  | 70 - 130     | 4   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2053      |                | mg/Kg |   | 103  | 70 - 130     | 5   | 35        |
| o-Xylene            | 0.100       | 0.09991     |                | mg/Kg |   | 100  | 70 - 130     | 5   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106            |                | 70 - 130 |

Lab Sample ID: MB 880-1985/5-A

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1985

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| Total BTEX          | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 04/19/21 13:30 | 04/20/21 13:19 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100          |              | 70 - 130 | 04/19/21 13:30 | 04/20/21 13:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 | 04/19/21 13:30 | 04/20/21 13:19 | 1       |

Lab Sample ID: LCS 880-1985/1-A

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1985

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100       | 0.08205    |               | mg/Kg |   | 82   | 70 - 130     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-1985/1-A

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1985

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Toluene             | 0.100       | 0.08958    |               | mg/Kg |   | 90   | 70 - 130     |
| Ethylbenzene        | 0.100       | 0.09660    |               | mg/Kg |   | 97   | 70 - 130     |
| m-Xylene & p-Xylene | 0.200       | 0.1973     |               | mg/Kg |   | 99   | 70 - 130     |
| o-Xylene            | 0.100       | 0.09612    |               | mg/Kg |   | 96   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-1985/2-A

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1985

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene             | 0.100       | 0.07996     |                | mg/Kg |   | 80   | 70 - 130     | 3   | 35        |
| Toluene             | 0.100       | 0.08515     |                | mg/Kg |   | 85   | 70 - 130     | 5   | 35        |
| Ethylbenzene        | 0.100       | 0.09066     |                | mg/Kg |   | 91   | 70 - 130     | 6   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1841      |                | mg/Kg |   | 92   | 70 - 130     | 7   | 35        |
| o-Xylene            | 0.100       | 0.09040     |                | mg/Kg |   | 90   | 70 - 130     | 6   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 95             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101            |                | 70 - 130 |

Lab Sample ID: 880-1331-176 MS

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: AH-26 (1'-1.5')

Prep Type: Total/NA

Prep Batch: 1985

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene             | <0.00202      | U F1             | 0.0998      | 0.07213   |              | mg/Kg |   | 72   | 70 - 130     |
| Toluene             | <0.00202      | U F1             | 0.0998      | 0.06899   | F1           | mg/Kg |   | 69   | 70 - 130     |
| Ethylbenzene        | <0.00202      | U F1             | 0.0998      | 0.06567   | F1           | mg/Kg |   | 66   | 70 - 130     |
| m-Xylene & p-Xylene | <0.00404      | U F1             | 0.200       | 0.1327    | F1           | mg/Kg |   | 66   | 70 - 130     |
| o-Xylene            | <0.00202      | U F1             | 0.0998      | 0.06585   | F1           | mg/Kg |   | 66   | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 102          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105          |              | 70 - 130 |

Lab Sample ID: 880-1331-176 MSD

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: AH-26 (1'-1.5')

Prep Type: Total/NA

Prep Batch: 1985

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene             | <0.00202      | U F1             | 0.100       | 0.05614    | F1            | mg/Kg |   | 56   | 70 - 130     | 25  | 35        |
| Toluene             | <0.00202      | U F1             | 0.100       | 0.05382    | F1            | mg/Kg |   | 54   | 70 - 130     | 25  | 35        |
| Ethylbenzene        | <0.00202      | U F1             | 0.100       | 0.05023    | F1            | mg/Kg |   | 50   | 70 - 130     | 27  | 35        |
| m-Xylene & p-Xylene | <0.00404      | U F1             | 0.200       | 0.1025     | F1            | mg/Kg |   | 51   | 70 - 130     | 26  | 35        |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-1331-176 MSD

Matrix: Solid

Analysis Batch: 2028

Client Sample ID: AH-26 (1'-1.5')

Prep Type: Total/NA

Prep Batch: 1985

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| o-Xylene                    | <0.00202      | U F1             | 0.100       | 0.05065    | F1            | mg/Kg |   | 51   | 70 - 130     | 26  | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 4-Bromofluorobenzene (Surr) | 102           |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| 1,4-Difluorobenzene (Surr)  | 105           |                  | 70 - 130    |            |               |       |   |      |              |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-1859/1-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1859

| Sample Data: 1995                    |           |           |          |     |       |   |                |                |         |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |
| Surrogate Data: 1995                 |           |           |          |     |       |   |                |                |         |
| Surrogate                            | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |       |   |                |                |         |
| 1-Chlorooctane                       | 97        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 04/16/21 08:45 | 04/16/21 11:10 | 1       |

Lab Sample ID: LCS 880-1859/2-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1859

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec   | %Rec.    |  |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|----------|--|--|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits |          |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 1084   |           | mg/Kg |   | 108    | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 877.9  |           | mg/Kg |   | 88     | 70 - 130 |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
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|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
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|                                      |  |  |       |        |           |       |   |        |          |  |  |
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|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
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|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
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|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        | </        |       |   |        |          |  |  |

Lab Sample ID: LCSD 880-1859/3-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1859

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1134        |                | mg/Kg |   | 113  | 70 - 130     | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 886.3       |                | mg/Kg |   | 89   | 70 - 130     | 1   | 20        |

Eurofins Xenco, Midland



## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-1859/3-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1859

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 96        |           | 70 - 130 |
| o-Terphenyl    | 81        |           | 70 - 130 |

Lab Sample ID: 880-1331-1 MS

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: H-1 (0"-6")

Prep Type: Total/NA

Prep Batch: 1859

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U F2             | 998         | 856.9     |              | mg/Kg |   | 86   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 870.5     |              | mg/Kg |   | 87   | 70 - 130     |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 84        |           | 70 - 130 |
| o-Terphenyl    | 69        | S1-       | 70 - 130 |

Lab Sample ID: 880-1331-1 MSD

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: H-1 (0"-6")

Prep Type: Total/NA

Prep Batch: 1859

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U F2             | 998         | 1083       | F2            | mg/Kg |   | 108  | 70 - 130     | 23  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 874.4      |               | mg/Kg |   | 88   | 70 - 130     | 0   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 84        |           | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

Lab Sample ID: MB 880-1860/1-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1860

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 20:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 20:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 20:52 | 1       |
| Total TPH                            | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 08:59 | 04/16/21 20:52 | 1       |

|                | MB        | MB        |          |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  |                |                |         |
| 1-Chlorooctane | 89        |           | 70 - 130 |  |  |  | 04/16/21 08:59 | 04/16/21 20:52 | 1       |
| o-Terphenyl    | 86        |           | 70 - 130 |  |  |  | 04/16/21 08:59 | 04/16/21 20:52 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-1860/2-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1860

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec   | %Rec.    |  |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|----------|--|--|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits |          |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 1247   |           | mg/Kg |   | 125    | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 940.1  |           | mg/Kg |   | 94     | 70 - 130 |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        | </        |       |   |        |          |  |  |

Lab Sample ID: LCSD 880-1860/3-A

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1860

| Top Bottom 1000                         |                   |                   |                |                |                   |       |   |      |                 |     |              |
|-----------------------------------------|-------------------|-------------------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Analyte                                 |                   |                   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
| Gasoline Range Organics<br>(GRO)-C6-C10 |                   |                   | 1000           | 1200           |                   | mg/Kg |   | 120  | 70 - 130        | 4   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |                   |                   | 1000           | 923.0          |                   | mg/Kg |   | 92   | 70 - 130        | 2   | 20           |
| Surrogate                               | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits         |                |                   |       |   |      |                 |     |              |
| 1-Chlorooctane                          | 98                |                   | 70 - 130       |                |                   |       |   |      |                 |     |              |
| o-Terphenyl                             | 84                |                   | 70 - 130       |                |                   |       |   |      |                 |     |              |

Lab Sample ID: 880-1331-21 MS

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: H-21 (0"-6")

Prep Type: Total/NA

Prep Batch: 1860

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U F2             | 998         | 847.6     |              | mg/Kg |   | 81   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 865.4     |              | mg/Kg |   | 87   | 70 - 130     |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |              |
| 1-Chlorooctane                       | 84            |                  | 70 - 130    |           |              |       |   |      |              |
| o-Terphenyl                          | 71            |                  | 70 - 130    |           |              |       |   |      |              |

Lab Sample ID: 880-1331-21 MSD

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: H-21 (0"-6")

Prep Type: Total/NA

Prep Batch: 1860

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U F2             | 998         | 1062       | F2            | mg/Kg | - | 102  | 70 - 130     | 22  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 894.5      |               | mg/Kg |   | 90   | 70 - 130     | 3   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane                       | 88            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-1331-21 MSD

Matrix: Solid

Analysis Batch: 1865

Client Sample ID: H-21 (0"-6")

Prep Type: Total/NA

Prep Batch: 1860

|                     | MSD       | MSD       |          |
|---------------------|-----------|-----------|----------|
| Surrogate           | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl | 72        |           | 70 - 130 |

Lab Sample ID: MB 880-1861/1-A

Matrix: Solid

Analysis Batch: 1882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1861

| Analyte                              | MB        | MB | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|----|------|-----|-------|---|----------------|----------------|---------|
| Result                               | Qualifier |    |      |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U  | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 14:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U  | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 14:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U  | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 14:04 | 1       |
| Total TPH                            | <50.0     | U  | 50.0 |     | mg/Kg |   | 04/16/21 09:17 | 04/16/21 14:04 | 1       |

| Surrogate           | MB        | MB | Limits   | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|----|----------|----------------|----------------|---------|
| %Recovery           | Qualifier |    |          |                |                |         |
| 1-Chlorooctane      | 103       |    | 70 - 130 | 04/16/21 09:17 | 04/16/21 14:04 | 1       |
| <i>o</i> -Terphenyl | 97        |    | 70 - 130 | 04/16/21 09:17 | 04/16/21 14:04 | 1       |

Lab Sample ID: LCS 880-1861/2-A

Matrix: Solid

Analysis Batch: 1882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1861

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1215       |               | mg/Kg |   | 122  | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 964.4      |               | mg/Kg |   | 96   | 70 - 130     |

| Surrogate           | LCS       | LCS | Limits   |
|---------------------|-----------|-----|----------|
| %Recovery           | Qualifier |     |          |
| 1-Chlorooctane      | 111       |     | 70 - 130 |
| <i>o</i> -Terphenyl | 93        |     | 70 - 130 |

Lab Sample ID: LCSD 880-1861/3-A

Matrix: Solid

Analysis Batch: 1882

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1861

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1200        |                | mg/Kg |   | 120  | 70 - 130     | 1   | 20    |
| Diesel Range Organics (Over C10-C28) | 1000        | 933.0       |                | mg/Kg |   | 93   | 70 - 130     | 3   | 20    |

| Surrogate           | LCSD      | LCSD | Limits   |
|---------------------|-----------|------|----------|
| %Recovery           | Qualifier |      |          |
| 1-Chlorooctane      | 109       |      | 70 - 130 |
| <i>o</i> -Terphenyl | 91        |      | 70 - 130 |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-1331-64 MS

Matrix: Solid

Analysis Batch: 1882

Client Sample ID: AH-6 (1'-1.5')

Prep Type: Total/NA

Prep Batch: 1861

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1166      |              | mg/Kg |   | 114  | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 982.9     |              | mg/Kg |   | 98   | 70 - 130     |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |              |
| 1-Chlorooctane                       | 105           |                  | 70 - 130    |           |              |       |   |      |              |
| o-Terphenyl                          | 91            |                  | 70 - 130    |           |              |       |   |      |              |

Lab Sample ID: 880-1331-64 MSD

Matrix: Solid

Analysis Batch: 1882

Client Sample ID: AH-6 (1'-1.5')

Prep Type: Total/NA

Prep Batch: 1861

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1245       |               | mg/Kg |   | 122  | 70 - 130     | 7   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 1086       |               | mg/Kg |   | 109  | 70 - 130     | 10  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane                       | 114           |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl                          | 100           |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-1864/1-A

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1864

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |
| Total TPH                            | <50.0        | U            | 50.0     |     | mg/Kg |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105          |              | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |
| o-Terphenyl                          | 98           |              | 70 - 130 |     |       |   | 04/16/21 09:31 | 04/16/21 14:04 | 1       |

Lab Sample ID: LCS 880-1864/2-A

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1864

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1097       |               | mg/Kg |   | 110  | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 862.8      |               | mg/Kg |   | 86   | 70 - 130     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-1864/2-A

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1864

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 96        |           | 70 - 130 |
| o-Terphenyl    | 80        |           | 70 - 130 |

Lab Sample ID: LCSD 880-1864/3-A

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1864

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 992.1       |                | mg/Kg |   | 99   | 70 - 130     | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 848.8       |                | mg/Kg |   | 85   | 70 - 130     | 2   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 94        |           | 70 - 130 |
| o-Terphenyl    | 78        |           | 70 - 130 |

Lab Sample ID: 880-1331-137 MS

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: AH-19 (0"-6")

Prep Type: Total/NA

Prep Batch: 1864

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1055      |              | mg/Kg |   | 103  | 70 - 130     |     |           |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 924.0     |              | mg/Kg |   | 93   | 70 - 130     |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 96        |           | 70 - 130 |
| o-Terphenyl    | 75        |           | 70 - 130 |

Lab Sample ID: 880-1331-137 MSD

Matrix: Solid

Analysis Batch: 1885

Client Sample ID: AH-19 (0"-6")

Prep Type: Total/NA

Prep Batch: 1864

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1149       |               | mg/Kg |   | 113  | 70 - 130     | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 1067       |               | mg/Kg |   | 107  | 70 - 130     | 14  | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 112       |           | 70 - 130 |
| o-Terphenyl    | 88        |           | 70 - 130 |

Eurofins Xenco, Midland



## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-1894/1-A

Matrix: Solid

Analysis Batch: 1923

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1894

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 14:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 14:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 14:55 | 1       |
| Total TPH                            | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/16/21 12:09 | 04/17/21 14:55 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93           |              | 70 - 130 | 04/16/21 12:09 | 04/17/21 14:55 | 1       |
| o-Terphenyl    | 91           |              | 70 - 130 | 04/16/21 12:09 | 04/17/21 14:55 | 1       |

Lab Sample ID: LCS 880-1894/2-A

Matrix: Solid

Analysis Batch: 1923

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1894

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1058       |               | mg/Kg |   | 106  | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 838.4      |               | mg/Kg |   | 84   | 70 - 130     |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 95            |               | 70 - 130 |
| o-Terphenyl    | 78            |               | 70 - 130 |

Lab Sample ID: LCSD 880-1894/3-A

Matrix: Solid

Analysis Batch: 1923

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1894

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1107        |                | mg/Kg |   | 111  | 70 - 130     | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 961.7       |                | mg/Kg |   | 96   | 70 - 130     | 14  | 20        |

| Surrogate      | LCSD %Recovery | LCSD Qualifier | Limits   |
|----------------|----------------|----------------|----------|
| 1-Chlorooctane | 117            |                | 70 - 130 |
| o-Terphenyl    | 101            |                | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1937/1-A

Matrix: Solid

Analysis Batch: 1962

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/19/21 09:30 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-1937/2-A

Matrix: Solid

Analysis Batch: 1962

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 255.8      |               | mg/Kg |   | 102  | 90 - 110     |

Lab Sample ID: LCSD 880-1937/3-A

Matrix: Solid

Analysis Batch: 1962

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 257.4       |                | mg/Kg |   | 103  | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-1331-8 MS

Matrix: Solid

Analysis Batch: 1962

Client Sample ID: H-8 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 12.0          |                  | 248         | 272.9     |              | mg/Kg |   | 105  | 90 - 110     |

Lab Sample ID: 880-1331-8 MSD

Matrix: Solid

Analysis Batch: 1962

Client Sample ID: H-8 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 12.0          |                  | 248         | 276.0      |               | mg/Kg |   | 107  | 90 - 110     | 1   | 20        |

Lab Sample ID: MB 880-1938/1-A

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/19/21 10:08 | 1       |

Lab Sample ID: LCS 880-1938/2-A

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 246.7      |               | mg/Kg |   | 99   | 90 - 110     |

Lab Sample ID: LCSD 880-1938/3-A

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 246.9       |                | mg/Kg |   | 99   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-18 MS

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: H-18 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 33.5          |                  | 252         | 286.5     |              | mg/Kg |   | 101  | 90 - 110     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1331-18 MSD

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: H-18 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 33.5          |                  | 252         | 286.3      |               | mg/Kg |   | 100  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-28 MS

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: H-28 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Chloride | 8.98          |                  | 250         | 252.5     |              | mg/Kg |   | 97   | 90 - 110     |  |  |

Lab Sample ID: 880-1331-28 MSD

Matrix: Solid

Analysis Batch: 1964

Client Sample ID: H-28 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 8.98          |                  | 250         | 253.3      |               | mg/Kg |   | 98   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-1939/1-A

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/19/21 15:47 | 1       |

Lab Sample ID: LCS 880-1939/2-A

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|-------------|------------|---------------|-------|---|------|--------------|--|--|
| Chloride | 250         | 251.2      |               | mg/Kg |   | 100  | 90 - 110     |  |  |

Lab Sample ID: LCSD 880-1939/3-A

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 250.2       |                | mg/Kg |   | 100  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-84 MS

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: AH-8 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Chloride | 10400         |                  | 250         | 13210     | 4            | mg/Kg |   | 1109 | 90 - 110     |  |  |

Lab Sample ID: 880-1331-84 MSD

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: AH-8 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 10400         |                  | 250         | 13050      | 4             | mg/Kg |   | 1044 | 90 - 110     | 1   | 20        |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1331-103 MS

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: AH-10 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 5800          |                  | 253         | 8424      | 4            | mg/Kg |   | 1037 | 90 - 110     |

Lab Sample ID: 880-1331-103 MSD

Matrix: Solid

Analysis Batch: 1977

Client Sample ID: AH-10 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 5800          |                  | 253         | 8331       | 4             | mg/Kg |   | 1001 | 90 - 110     | 1   | 20        |

Lab Sample ID: MB 880-1940/1-A

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/19/21 14:37 | 1       |

Lab Sample ID: LCS 880-1940/2-A

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 254.0      |               | mg/Kg |   | 102  | 90 - 110     |

Lab Sample ID: LCSD 880-1940/3-A

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 253.4       |                | mg/Kg |   | 101  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-126 MS

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: AH-15 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 32.7          |                  | 248         | 276.7     |              | mg/Kg |   | 98   | 90 - 110     |

Lab Sample ID: 880-1331-126 MSD

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: AH-15 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 32.7          |                  | 248         | 276.4      |               | mg/Kg |   | 98   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-145 MS

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: AH-20 (3'-3.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 891           | F1               | 248         | 1063      | F1           | mg/Kg |   | 70   | 90 - 110     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1331-145 MSD

Matrix: Solid

Analysis Batch: 1999

Client Sample ID: AH-20 (3'-3.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 891           | F1               | 248         | 1062       | F1            | mg/Kg |   | 69   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-1941/1-A

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/19/21 17:46 | 1       |

Lab Sample ID: LCS 880-1941/2-A

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 258.5      |               | mg/Kg |   | 103  | 90 - 110     |

Lab Sample ID: LCSD 880-1941/3-A

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 256.5       |                | mg/Kg |   | 103  | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-1331-165 MS

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: AH-22 (3'-3.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 154           |                  | 250         | 391.0     |              | mg/Kg |   | 95   | 90 - 110     |

Lab Sample ID: 880-1331-165 MSD

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: AH-22 (3'-3.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 154           |                  | 250         | 390.5      |               | mg/Kg |   | 95   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-181 MS

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: AH-27 (1'-1.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 5180          |                  | 1240        | 6266      | 4            | mg/Kg |   | 88   | 90 - 110     |

Lab Sample ID: 880-1331-181 MSD

Matrix: Solid

Analysis Batch: 2000

Client Sample ID: AH-27 (1'-1.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 5180          |                  | 1240        | 6274       | 4             | mg/Kg |   | 89   | 90 - 110     | 0   | 20        |

Eurofins Xenco, Midland



## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1942/1-A

Matrix: Solid

Analysis Batch: 2014

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 04/19/21 17:32 | 1       |

Lab Sample ID: LCS 880-1942/2-A

Matrix: Solid

Analysis Batch: 2014

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250            | 254.3         |                  | mg/Kg |   | 102  | 90 - 110        |

Lab Sample ID: LCSD 880-1942/3-A

Matrix: Solid

Analysis Batch: 2014

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250            | 258.1          |                   | mg/Kg |   | 103  | 90 - 110        | 1   | 20           |

Lab Sample ID: 880-1331-201 MS

Matrix: Solid

Analysis Batch: 2014

Client Sample ID: AH-29 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 6500             |                     | 250            | 9032         | 4               | mg/Kg |   | 1011 | 90 - 110        |

Lab Sample ID: 880-1331-201 MSD

Matrix: Solid

Analysis Batch: 2014

Client Sample ID: AH-29 (2'-2.5')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 6500             |                     | 250            | 9042          | 4                | mg/Kg |   | 1015 | 90 - 110        | 0   | 20           |

Lab Sample ID: MB 880-1945/1-A

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 04/20/21 10:01 | 1       |

Lab Sample ID: LCS 880-1945/2-A

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250            | 251.7         |                  | mg/Kg |   | 101  | 90 - 110        |

Lab Sample ID: LCSD 880-1945/3-A

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250            | 252.4          |                   | mg/Kg |   | 101  | 90 - 110        | 0   | 20           |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1331-54 MS

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: AH-5 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 7590          |                  | 251         | 9617      | 4            | mg/Kg |   | 809  | 90 - 110     |

Lab Sample ID: 880-1331-54 MSD

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: AH-5 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 7590          |                  | 251         | 10010      | 4             | mg/Kg |   | 965  | 90 - 110     | 4   | 20        |

Lab Sample ID: 880-1331-74 MS

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: AH-7 (1'-1.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 10400         |                  | 250         | 12870     | 4            | mg/Kg |   | 981  | 90 - 110     |

Lab Sample ID: 880-1331-74 MSD

Matrix: Solid

Analysis Batch: 2032

Client Sample ID: AH-7 (1'-1.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 10400         |                  | 250         | 12860      | 4             | mg/Kg |   | 980  | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-1943/1-A

Matrix: Solid

Analysis Batch: 2049

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/20/21 13:46 | 1       |

Lab Sample ID: LCS 880-1943/2-A

Matrix: Solid

Analysis Batch: 2049

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 260.7      |               | mg/Kg |   | 104  | 90 - 110     |

Lab Sample ID: LCSD 880-1943/3-A

Matrix: Solid

Analysis Batch: 2049

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 261.7       |                | mg/Kg |   | 105  | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-1944/1-A

Matrix: Solid

Analysis Batch: 2050

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 04/22/21 09:50 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-1944/2-A

Matrix: Solid

Analysis Batch: 2050

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 239.5      |               | mg/Kg |   | 96   | 90 - 110     |

Lab Sample ID: LCSD 880-1944/3-A

Matrix: Solid

Analysis Batch: 2050

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 238.7       |                | mg/Kg |   | 95   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-1331-45 MS

Matrix: Solid

Analysis Batch: 2050

Client Sample ID: AH-3 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 7300          |                  | 250         | 9697      | 4            | mg/Kg |   | 959  | 90 - 110     |

Lab Sample ID: 880-1331-45 MSD

Matrix: Solid

Analysis Batch: 2050

Client Sample ID: AH-3 (0"-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 7300          |                  | 250         | 9789       | 4             | mg/Kg |   | 996  | 90 - 110     | 1   | 20        |

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA

## Prep Batch: 1868

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| MB 880-1868/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 1872

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-1        | H-1 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-2        | H-2 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-3        | H-3 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-4        | H-4 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-5        | H-5 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-6        | H-6 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-7        | H-7 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-8        | H-8 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-9        | H-9 (0"-6")            | Total/NA  | Solid  | 5035   |            |
| 880-1331-10       | H-10 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-11       | H-11 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-12       | H-12 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-13       | H-13 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-14       | H-14 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-15       | H-15 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| MB 880-1872/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1872/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1872/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 1880

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-16       | H-16 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-17       | H-17 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-18       | H-18 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-19       | H-19 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-20       | H-20 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-21       | H-21 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-22       | H-22 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-23       | H-23 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-24       | H-24 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-25       | H-25 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-26       | H-26 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-27       | H-27 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-28       | H-28 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-29       | H-29 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-30       | H-30 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-31       | AH-1 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-33       | AH-1 (1'-1.5')         | Total/NA  | Solid  | 5035   |            |
| 880-1331-35       | AH-2 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-37       | AH-2 (1'-1.5')         | Total/NA  | Solid  | 5035   |            |
| MB 880-1880/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1880/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1880/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-1331-16 MS    | H-16 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-16 MSD   | H-16 (0"-6")           | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA

## Prep Batch: 1889

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-47       | AH-3 (1'-1.5')         | Total/NA  | Solid  | 5035   |            |
| 880-1331-53       | AH-4 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-54       | AH-5 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| 880-1331-56       | AH-5 (1'-1.5')         | Total/NA  | Solid  | 5035   |            |
| 880-1331-62       | AH-6 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| MB 880-1889/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1889/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1889/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 1895

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| MB 880-1895/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 1897

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-1        | H-1 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-2        | H-2 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-3        | H-3 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-4        | H-4 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-5        | H-5 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-6        | H-6 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-7        | H-7 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-8        | H-8 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-9        | H-9 (0"-6")            | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-10       | H-10 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-11       | H-11 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-12       | H-12 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-13       | H-13 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-14       | H-14 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| 880-1331-15       | H-15 (0"-6")           | Total/NA  | Solid  | 8021B  | 1872       |
| MB 880-1868/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1868       |
| MB 880-1872/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1872       |
| LCS 880-1872/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1872       |
| LCSD 880-1872/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1872       |

## Prep Batch: 1901

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 880-1331-64      | AH-6 (1'-1.5')     | Total/NA  | Solid  | 5035   |            |
| 880-1331-72      | AH-7 (0"-6")       | Total/NA  | Solid  | 5035   |            |
| 880-1331-74      | AH-7 (1'-1.5')     | Total/NA  | Solid  | 5035   |            |
| 880-1331-80      | AH-8 (0"-6")       | Total/NA  | Solid  | 5035   |            |
| 880-1331-82      | AH-8 (1'-1.5')     | Total/NA  | Solid  | 5035   |            |
| 880-1331-90      | AH-9 (0"-6")       | Total/NA  | Solid  | 5035   |            |
| 880-1331-92      | AH-9 (1'-1.5')     | Total/NA  | Solid  | 5035   |            |
| 880-1331-99      | AH-10 (0"-6")      | Total/NA  | Solid  | 5035   |            |
| 880-1331-101     | AH-10 (1'-1.5')    | Total/NA  | Solid  | 5035   |            |
| 880-1331-109     | AH-11 (0"-6")      | Total/NA  | Solid  | 5035   |            |
| 880-1331-111     | AH-11 (1'-1.5')    | Total/NA  | Solid  | 5035   |            |
| 880-1331-118     | AH-12 (0"-6")      | Total/NA  | Solid  | 5035   |            |
| MB 880-1901/5-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 880-1901/1-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA (Continued)

## Prep Batch: 1901 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-1901/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 1902

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-16       | H-16 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-17       | H-17 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-18       | H-18 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-19       | H-19 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-20       | H-20 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-21       | H-21 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-22       | H-22 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-23       | H-23 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-24       | H-24 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-25       | H-25 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-26       | H-26 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-27       | H-27 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-28       | H-28 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-29       | H-29 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-30       | H-30 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-31       | AH-1 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-33       | AH-1 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-35       | AH-2 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-37       | AH-2 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1880       |
| MB 880-1880/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1880       |
| LCS 880-1880/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1880       |
| LCSD 880-1880/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-16 MS    | H-16 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |
| 880-1331-16 MSD   | H-16 (0"-6")           | Total/NA  | Solid  | 8021B  | 1880       |

## Analysis Batch: 1905

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-47       | AH-3 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1889       |
| 880-1331-53       | AH-4 (0"-6")           | Total/NA  | Solid  | 8021B  | 1889       |
| 880-1331-54       | AH-5 (0"-6")           | Total/NA  | Solid  | 8021B  | 1889       |
| 880-1331-56       | AH-5 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1889       |
| 880-1331-62       | AH-6 (0"-6")           | Total/NA  | Solid  | 8021B  | 1889       |
| MB 880-1889/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1889       |
| MB 880-1895/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1895       |
| LCS 880-1889/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1889       |
| LCSD 880-1889/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1889       |

## Prep Batch: 1965

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-122  | AH-14 (0"-6")    | Total/NA  | Solid  | 5035   |            |
| 880-1331-124  | AH-14 (1'-1.5')  | Total/NA  | Solid  | 5035   |            |
| 880-1331-126  | AH-15 (0"-6")    | Total/NA  | Solid  | 5035   |            |
| 880-1331-128  | AH-15 (1'-1.5')  | Total/NA  | Solid  | 5035   |            |
| 880-1331-129  | AH-16 (0"-6")    | Total/NA  | Solid  | 5035   |            |
| 880-1331-131  | AH-17 (0"-6")    | Total/NA  | Solid  | 5035   |            |
| 880-1331-133  | AH-17 (1'-1.5')  | Total/NA  | Solid  | 5035   |            |
| 880-1331-135  | AH-18 (0"-6")    | Total/NA  | Solid  | 5035   |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA (Continued)

## Prep Batch: 1965 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-137      | AH-19 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-139      | AH-20 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-141      | AH-20 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-149      | AH-21 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-151      | AH-21 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-159      | AH-22 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-161      | AH-22 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-166      | AH-23 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-167      | AH-24 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-169      | AH-24 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-172      | AH-25 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-174      | AH-26 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| MB 880-1965/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1965/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1965/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-1331-122 MS   | AH-14 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-122 MSD  | AH-14 (0"-6")          | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 1966

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-64       | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-72       | AH-7 (0"-6")           | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-74       | AH-7 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-80       | AH-8 (0"-6")           | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-82       | AH-8 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-90       | AH-9 (0"-6")           | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-92       | AH-9 (1'-1.5')         | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-99       | AH-10 (0"-6")          | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-101      | AH-10 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-109      | AH-11 (0"-6")          | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-111      | AH-11 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1901       |
| 880-1331-118      | AH-12 (0"-6")          | Total/NA  | Solid  | 8021B  | 1901       |
| MB 880-1901/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1901       |
| LCS 880-1901/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1901       |
| LCSD 880-1901/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1901       |

## Analysis Batch: 1974

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-45       | AH-3 (0"-6")           | Total/NA  | Solid  | 8021B  | 1975       |
| MB 880-1975/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1975       |
| LCS 880-1975/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1975       |
| LCSD 880-1975/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1975       |

## Prep Batch: 1975

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-45       | AH-3 (0"-6")           | Total/NA  | Solid  | 5035   |            |
| MB 880-1975/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1975/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1975/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA

## Prep Batch: 1985

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-176      | AH-26 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-179      | AH-27 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-181      | AH-27 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-189      | AH-28 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-191      | AH-28 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-197      | AH-29 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-199      | AH-29 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-205      | AH-30 (0"-6")          | Total/NA  | Solid  | 5035   |            |
| 880-1331-207      | AH-30 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| MB 880-1985/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-1985/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-1985/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-1331-176 MS   | AH-26 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |
| 880-1331-176 MSD  | AH-26 (1'-1.5')        | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 2028

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-176      | AH-26 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-179      | AH-27 (0"-6")          | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-181      | AH-27 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-189      | AH-28 (0"-6")          | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-191      | AH-28 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-197      | AH-29 (0"-6")          | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-199      | AH-29 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-205      | AH-30 (0"-6")          | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-207      | AH-30 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| MB 880-1985/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1985       |
| LCS 880-1985/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1985       |
| LCSD 880-1985/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-176 MS   | AH-26 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |
| 880-1331-176 MSD  | AH-26 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1985       |

## Analysis Batch: 2056

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-122  | AH-14 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-124  | AH-14 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-126  | AH-15 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-128  | AH-15 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-129  | AH-16 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-131  | AH-17 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-133  | AH-17 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-135  | AH-18 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-137  | AH-19 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-139  | AH-20 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-141  | AH-20 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-149  | AH-21 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-151  | AH-21 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-159  | AH-22 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-161  | AH-22 (1'-1.5')  | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-166  | AH-23 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-167  | AH-24 (0"-6")    | Total/NA  | Solid  | 8021B  | 1965       |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC VOA (Continued)

## Analysis Batch: 2056 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-169      | AH-24 (1'-1.5')        | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-172      | AH-25 (0"-6")          | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-174      | AH-26 (0"-6")          | Total/NA  | Solid  | 8021B  | 1965       |
| MB 880-1965/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 1965       |
| LCS 880-1965/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 1965       |
| LCSD 880-1965/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-122 MS   | AH-14 (0"-6")          | Total/NA  | Solid  | 8021B  | 1965       |
| 880-1331-122 MSD  | AH-14 (0"-6")          | Total/NA  | Solid  | 8021B  | 1965       |

## GC Semi VOA

## Prep Batch: 1859

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-1331-1        | H-1 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-2        | H-2 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-3        | H-3 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-4        | H-4 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-5        | H-5 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-6        | H-6 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-7        | H-7 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-8        | H-8 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-9        | H-9 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-10       | H-10 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-11       | H-11 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-12       | H-12 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-13       | H-13 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-14       | H-14 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-15       | H-15 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-16       | H-16 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-17       | H-17 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-18       | H-18 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-19       | H-19 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-20       | H-20 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-1859/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-1859/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-1859/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-1 MS     | H-1 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-1 MSD    | H-1 (0"-6")            | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 1860

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-1331-21   | H-21 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-22   | H-22 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-23   | H-23 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-24   | H-24 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-25   | H-25 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-26   | H-26 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-27   | H-27 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-28   | H-28 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-29   | H-29 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-30   | H-30 (0"-6")     | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Prep Batch: 1860 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-1331-31       | AH-1 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-33       | AH-1 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-35       | AH-2 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-37       | AH-2 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-45       | AH-3 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-47       | AH-3 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-53       | AH-4 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-54       | AH-5 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-56       | AH-5 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-62       | AH-6 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-1860/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-1860/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-1860/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-21 MS    | H-21 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-21 MSD   | H-21 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 1861

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-1331-64       | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-72       | AH-7 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-74       | AH-7 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-80       | AH-8 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-82       | AH-8 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-90       | AH-9 (0"-6")           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-92       | AH-9 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-99       | AH-10 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-101      | AH-10 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-109      | AH-11 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-111      | AH-11 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-118      | AH-12 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-122      | AH-14 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-124      | AH-14 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-126      | AH-15 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-128      | AH-15 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-129      | AH-16 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-131      | AH-17 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-133      | AH-17 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-135      | AH-18 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-1861/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-1861/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-1861/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-64 MS    | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-64 MSD   | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 1864

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-1331-137  | AH-19 (0"-6")    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-139  | AH-20 (0"-6")    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-141  | AH-20 (1'-1.5')  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-149  | AH-21 (0"-6")    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-151  | AH-21 (1'-1.5')  | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Prep Batch: 1864 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-1331-159      | AH-22 (0"-6')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-161      | AH-22 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-166      | AH-23 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-167      | AH-24 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-169      | AH-24 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-172      | AH-25 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-174      | AH-26 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-176      | AH-26 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-179      | AH-27 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-181      | AH-27 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-189      | AH-28 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-191      | AH-28 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-197      | AH-29 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-199      | AH-29 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-205      | AH-30 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-1864/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-1864/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-1864/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-137 MS   | AH-19 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-1331-137 MSD  | AH-19 (0"-6")          | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 1865

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-1331-1    | H-1 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-2    | H-2 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-3    | H-3 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-4    | H-4 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-5    | H-5 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-6    | H-6 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-7    | H-7 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-8    | H-8 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-9    | H-9 (0"-6")      | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-10   | H-10 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-11   | H-11 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-12   | H-12 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-13   | H-13 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-14   | H-14 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-15   | H-15 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-16   | H-16 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-17   | H-17 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-18   | H-18 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-19   | H-19 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-20   | H-20 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-21   | H-21 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-22   | H-22 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-23   | H-23 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-24   | H-24 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-25   | H-25 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-26   | H-26 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-27   | H-27 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-28   | H-28 (0"-6")     | Total/NA  | Solid  | 8015B NM | 1860       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 1865 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-29       | H-29 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-30       | H-30 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-31       | AH-1 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-33       | AH-1 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-35       | AH-2 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-37       | AH-2 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-45       | AH-3 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-47       | AH-3 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-53       | AH-4 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-54       | AH-5 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-56       | AH-5 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-62       | AH-6 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| MB 880-1859/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 1859       |
| MB 880-1860/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 1860       |
| LCS 880-1859/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 1859       |
| LCS 880-1860/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 1860       |
| LCSD 880-1859/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 1859       |
| LCSD 880-1860/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-1 MS     | H-1 (0"-6")            | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-1 MSD    | H-1 (0"-6")            | Total/NA  | Solid  | 8015B NM | 1859       |
| 880-1331-21 MS    | H-21 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |
| 880-1331-21 MSD   | H-21 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1860       |

## Analysis Batch: 1882

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-64       | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-72       | AH-7 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-74       | AH-7 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-80       | AH-8 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-82       | AH-8 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-90       | AH-9 (0"-6")           | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-92       | AH-9 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-99       | AH-10 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-101      | AH-10 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-109      | AH-11 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-111      | AH-11 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-118      | AH-12 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-122      | AH-14 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-124      | AH-14 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-126      | AH-15 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-128      | AH-15 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-129      | AH-16 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-131      | AH-17 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-133      | AH-17 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-135      | AH-18 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1861       |
| MB 880-1861/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 1861       |
| LCS 880-1861/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 1861       |
| LCSD 880-1861/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-64 MS    | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |
| 880-1331-64 MSD   | AH-6 (1'-1.5')         | Total/NA  | Solid  | 8015B NM | 1861       |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## GC Semi VOA

## Analysis Batch: 1885

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-137      | AH-19 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-139      | AH-20 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-141      | AH-20 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-149      | AH-21 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-151      | AH-21 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-159      | AH-22 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-161      | AH-22 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-166      | AH-23 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-167      | AH-24 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-169      | AH-24 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-172      | AH-25 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-174      | AH-26 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-176      | AH-26 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-179      | AH-27 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-181      | AH-27 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-189      | AH-28 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-191      | AH-28 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-197      | AH-29 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-199      | AH-29 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-205      | AH-30 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| MB 880-1864/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 1864       |
| LCS 880-1864/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 1864       |
| LCSD 880-1864/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-137 MS   | AH-19 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |
| 880-1331-137 MSD  | AH-19 (0"-6")          | Total/NA  | Solid  | 8015B NM | 1864       |

## Prep Batch: 1894

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-1331-207      | AH-30 (1'-1.5')        | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-1894/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-1894/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-1894/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 1923

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-207      | AH-30 (1'-1.5')        | Total/NA  | Solid  | 8015B NM | 1894       |
| MB 880-1894/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 1894       |
| LCS 880-1894/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 1894       |
| LCSD 880-1894/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 1894       |

## HPLC/IC

## Leach Batch: 1937

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-1331-4    | H-4 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-5    | H-5 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-6    | H-6 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-7    | H-7 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-8    | H-8 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-9    | H-9 (0"-6")      | Soluble   | Solid  | DI Leach |            |
| 880-1331-10   | H-10 (0"-6")     | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 1937 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-11       | H-11 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-12       | H-12 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-13       | H-13 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-14       | H-14 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-15       | H-15 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-16       | H-16 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-17       | H-17 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| MB 880-1937/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1937/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1937/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-8 MS     | H-8 (0"-6")            | Soluble   | Solid  | DI Leach |            |
| 880-1331-8 MSD    | H-8 (0"-6")            | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1938

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-18       | H-18 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-19       | H-19 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-20       | H-20 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-21       | H-21 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-22       | H-22 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-23       | H-23 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-24       | H-24 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-25       | H-25 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-26       | H-26 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-27       | H-27 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-28       | H-28 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-29       | H-29 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-30       | H-30 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-31       | AH-1 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-33       | AH-1 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-35       | AH-2 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-37       | AH-2 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-39       | AH-2 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-41       | AH-2 (3'-3.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-43       | AH-2 (4'-4.5')         | Soluble   | Solid  | DI Leach |            |
| MB 880-1938/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1938/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1938/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-18 MS    | H-18 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-18 MSD   | H-18 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-28 MS    | H-28 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-28 MSD   | H-28 (0"-6")           | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1939

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-1331-84   | AH-8 (2'-2.5')   | Soluble   | Solid  | DI Leach |            |
| 880-1331-86   | AH-8 (3'-3.5')   | Soluble   | Solid  | DI Leach |            |
| 880-1331-88   | AH-8 (4'-4.5')   | Soluble   | Solid  | DI Leach |            |
| 880-1331-90   | AH-9 (0"-6")     | Soluble   | Solid  | DI Leach |            |
| 880-1331-92   | AH-9 (1'-1.5')   | Soluble   | Solid  | DI Leach |            |
| 880-1331-94   | AH-9 (2'-2.5')   | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 1939 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-96       | AH-9 (3'-3.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-98       | AH-9 (4'-4.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-99       | AH-10 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-101      | AH-10 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-103      | AH-10 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-105      | AH-10 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-107      | AH-10 (4'-4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-109      | AH-11 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-111      | AH-11 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-113      | AH-11 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-115      | AH-11 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-118      | AH-12 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-122      | AH-14 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-124      | AH-14 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| MB 880-1939/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1939/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1939/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-84 MS    | AH-8 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-84 MSD   | AH-8 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-103 MS   | AH-10 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-103 MSD  | AH-10 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1940

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-126      | AH-15 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-128      | AH-15 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-129      | AH-16 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-131      | AH-17 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-133      | AH-17 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-135      | AH-18 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-137      | AH-19 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-139      | AH-20 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-141      | AH-20 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-143      | AH-20 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-145      | AH-20 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-147      | AH-20 (4'-4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-149      | AH-21 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-151      | AH-21 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-153      | AH-21 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-155      | AH-21 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-157      | AH-21 (4'-4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-159      | AH-22 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-161      | AH-22 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-163      | AH-22 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| MB 880-1940/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1940/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1940/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-126 MS   | AH-15 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-126 MSD  | AH-15 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-145 MS   | AH-20 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-145 MSD  | AH-20 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC

## Leach Batch: 1941

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-165      | AH-22 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-166      | AH-23 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-167      | AH-24 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-169      | AH-24 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-171      | AH-24 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-172      | AH-25 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-174      | AH-26 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-176      | AH-26 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-178      | AH-26 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-179      | AH-27 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-181      | AH-27 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-183      | AH-27 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-185      | AH-27 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-187      | AH-27 (4'-4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-189      | AH-28 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-191      | AH-28 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-193      | AH-28 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-195      | AH-28 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-197      | AH-29 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-199      | AH-29 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| MB 880-1941/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1941/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1941/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-165 MS   | AH-22 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-165 MSD  | AH-22 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-181 MS   | AH-27 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-181 MSD  | AH-27 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1942

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-201      | AH-29 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-203      | AH-29 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-205      | AH-30 (0"-6")          | Soluble   | Solid  | DI Leach |            |
| 880-1331-207      | AH-30 (1'-1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-209      | AH-30 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-211      | AH-30 (3'-3.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-213      | AH-30 (4'-4.5')        | Soluble   | Solid  | DI Leach |            |
| MB 880-1942/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1942/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1942/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-201 MS   | AH-29 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |
| 880-1331-201 MSD  | AH-29 (2'-2.5')        | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1943

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-1        | H-1 (0"-6")            | Soluble   | Solid  | DI Leach |            |
| 880-1331-2        | H-2 (0"-6")            | Soluble   | Solid  | DI Leach |            |
| 880-1331-3        | H-3 (0"-6")            | Soluble   | Solid  | DI Leach |            |
| MB 880-1943/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1943/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1943/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC

## Leach Batch: 1944

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-45       | AH-3 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-47       | AH-3 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-49       | AH-3 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-51       | AH-3 (3'-3.5)          | Soluble   | Solid  | DI Leach |            |
| 880-1331-53       | AH-4 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| MB 880-1944/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1944/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1944/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-45 MS    | AH-3 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-45 MSD   | AH-3 (0"-6")           | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 1945

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-1331-54       | AH-5 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-56       | AH-5 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-58       | AH-5 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-60       | AH-5 (3'-3.5)          | Soluble   | Solid  | DI Leach |            |
| 880-1331-62       | AH-6 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-64       | AH-6 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-66       | AH-6 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-68       | AH-6 (3'-3.5)          | Soluble   | Solid  | DI Leach |            |
| 880-1331-70       | AH-6 (4'-4.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-72       | AH-7 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-74       | AH-7 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-76       | AH-7 (2'-2.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-78       | AH-7 (3'-3.5)          | Soluble   | Solid  | DI Leach |            |
| 880-1331-80       | AH-8 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-82       | AH-8 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| MB 880-1945/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-1945/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-1945/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-1331-54 MS    | AH-5 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-54 MSD   | AH-5 (0"-6")           | Soluble   | Solid  | DI Leach |            |
| 880-1331-74 MS    | AH-7 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |
| 880-1331-74 MSD   | AH-7 (1'-1.5')         | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 1962

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-4    | H-4 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-5    | H-5 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-6    | H-6 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-7    | H-7 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-8    | H-8 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-9    | H-9 (0"-6")      | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-10   | H-10 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-11   | H-11 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-12   | H-12 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-13   | H-13 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-14   | H-14 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-15   | H-15 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-16   | H-16 (0"-6")     | Soluble   | Solid  | 300.0  | 1937       |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Analysis Batch: 1962 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-17       | H-17 (0"-6")           | Soluble   | Solid  | 300.0  | 1937       |
| MB 880-1937/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1937       |
| LCS 880-1937/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1937       |
| LCSD 880-1937/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-8 MS     | H-8 (0"-6")            | Soluble   | Solid  | 300.0  | 1937       |
| 880-1331-8 MSD    | H-8 (0"-6")            | Soluble   | Solid  | 300.0  | 1937       |

## Analysis Batch: 1964

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-18       | H-18 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-19       | H-19 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-20       | H-20 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-21       | H-21 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-22       | H-22 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-23       | H-23 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-24       | H-24 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-25       | H-25 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-26       | H-26 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-27       | H-27 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-28       | H-28 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-29       | H-29 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-30       | H-30 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-31       | AH-1 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-33       | AH-1 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-35       | AH-2 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-37       | AH-2 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-39       | AH-2 (2'-2.5')         | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-41       | AH-2 (3'-3.5')         | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-43       | AH-2 (4'-4.5')         | Soluble   | Solid  | 300.0  | 1938       |
| MB 880-1938/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1938       |
| LCS 880-1938/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1938       |
| LCSD 880-1938/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-18 MS    | H-18 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-18 MSD   | H-18 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-28 MS    | H-28 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |
| 880-1331-28 MSD   | H-28 (0"-6")           | Soluble   | Solid  | 300.0  | 1938       |

## Analysis Batch: 1977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-84   | AH-8 (2'-2.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-86   | AH-8 (3'-3.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-88   | AH-8 (4'-4.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-90   | AH-9 (0"-6")     | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-92   | AH-9 (1'-1.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-94   | AH-9 (2'-2.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-96   | AH-9 (3'-3.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-98   | AH-9 (4'-4.5')   | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-99   | AH-10 (0"-6")    | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-101  | AH-10 (1'-1.5')  | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-103  | AH-10 (2'-2.5')  | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-105  | AH-10 (3'-3.5')  | Soluble   | Solid  | 300.0  | 1939       |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Analysis Batch: 1977 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-107      | AH-10 (4'-4.5')        | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-109      | AH-11 (0"-6")          | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-111      | AH-11 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-113      | AH-11 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-115      | AH-11 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-118      | AH-12 (0"-6")          | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-122      | AH-14 (0"-6")          | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-124      | AH-14 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1939       |
| MB 880-1939/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1939       |
| LCS 880-1939/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1939       |
| LCSD 880-1939/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-84 MS    | AH-8 (2'-2.5')         | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-84 MSD   | AH-8 (2'-2.5')         | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-103 MS   | AH-10 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1939       |
| 880-1331-103 MSD  | AH-10 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1939       |

## Analysis Batch: 1999

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-126      | AH-15 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-128      | AH-15 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-129      | AH-16 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-131      | AH-17 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-133      | AH-17 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-135      | AH-18 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-137      | AH-19 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-139      | AH-20 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-141      | AH-20 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-143      | AH-20 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-145      | AH-20 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-147      | AH-20 (4'-4.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-149      | AH-21 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-151      | AH-21 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-153      | AH-21 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-155      | AH-21 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-157      | AH-21 (4'-4.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-159      | AH-22 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-161      | AH-22 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-163      | AH-22 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1940       |
| MB 880-1940/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1940       |
| LCS 880-1940/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1940       |
| LCSD 880-1940/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-126 MS   | AH-15 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-126 MSD  | AH-15 (0"-6")          | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-145 MS   | AH-20 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1940       |
| 880-1331-145 MSD  | AH-20 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1940       |

## Analysis Batch: 2000

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-165  | AH-22 (3'-3.5')  | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-166  | AH-23 (0"-6")    | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-167  | AH-24 (0"-6")    | Soluble   | Solid  | 300.0  | 1941       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Analysis Batch: 2000 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-169      | AH-24 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-171      | AH-24 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-172      | AH-25 (0"-6")          | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-174      | AH-26 (0"-6")          | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-176      | AH-26 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-178      | AH-26 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-179      | AH-27 (0"-6")          | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-181      | AH-27 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-183      | AH-27 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-185      | AH-27 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-187      | AH-27 (4'-4.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-189      | AH-28 (0"-6")          | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-191      | AH-28 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-193      | AH-28 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-195      | AH-28 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-197      | AH-29 (0"-6")          | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-199      | AH-29 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| MB 880-1941/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1941       |
| LCS 880-1941/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1941       |
| LCSD 880-1941/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-165 MS   | AH-22 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-165 MSD  | AH-22 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-181 MS   | AH-27 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |
| 880-1331-181 MSD  | AH-27 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1941       |

## Analysis Batch: 2014

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-201      | AH-29 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-203      | AH-29 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-205      | AH-30 (0"-6")          | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-207      | AH-30 (1'-1.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-209      | AH-30 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-211      | AH-30 (3'-3.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-213      | AH-30 (4'-4.5')        | Soluble   | Solid  | 300.0  | 1942       |
| MB 880-1942/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1942       |
| LCS 880-1942/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1942       |
| LCSD 880-1942/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-201 MS   | AH-29 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1942       |
| 880-1331-201 MSD  | AH-29 (2'-2.5')        | Soluble   | Solid  | 300.0  | 1942       |

## Analysis Batch: 2032

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-1331-54   | AH-5 (0"-6")     | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-56   | AH-5 (1'-1.5')   | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-58   | AH-5 (2'-2.5')   | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-60   | AH-5 (3'-3.5)    | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-62   | AH-6 (0"-6")     | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-64   | AH-6 (1'-1.5')   | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-66   | AH-6 (2'-2.5')   | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-68   | AH-6 (3'-3.5)    | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-70   | AH-6 (4'-4.5')   | Soluble   | Solid  | 300.0  | 1945       |

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

## HPLC/IC (Continued)

## Analysis Batch: 2032 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-72       | AH-7 (0"-6")           | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-74       | AH-7 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-76       | AH-7 (2'-2.5')         | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-78       | AH-7 (3'-3.5')         | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-80       | AH-8 (0"-6")           | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-82       | AH-8 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1945       |
| MB 880-1945/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1945       |
| LCS 880-1945/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1945       |
| LCSD 880-1945/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-54 MS    | AH-5 (0"-6")           | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-54 MSD   | AH-5 (0"-6")           | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-74 MS    | AH-7 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1945       |
| 880-1331-74 MSD   | AH-7 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1945       |

## Analysis Batch: 2049

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-1        | H-1 (0"-6")            | Soluble   | Solid  | 300.0  | 1943       |
| 880-1331-2        | H-2 (0"-6")            | Soluble   | Solid  | 300.0  | 1943       |
| 880-1331-3        | H-3 (0"-6")            | Soluble   | Solid  | 300.0  | 1943       |
| MB 880-1943/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1943       |
| LCS 880-1943/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1943       |
| LCSD 880-1943/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1943       |

## Analysis Batch: 2050

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-1331-45       | AH-3 (0"-6")           | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-47       | AH-3 (1'-1.5')         | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-49       | AH-3 (2'-2.5')         | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-51       | AH-3 (3'-3.5')         | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-53       | AH-4 (0"-6")           | Soluble   | Solid  | 300.0  | 1944       |
| MB 880-1944/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 1944       |
| LCS 880-1944/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 1944       |
| LCSD 880-1944/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-45 MS    | AH-3 (0"-6")           | Soluble   | Solid  | 300.0  | 1944       |
| 880-1331-45 MSD   | AH-3 (0"-6")           | Soluble   | Solid  | 300.0  | 1944       |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-1 (0"-6")

Lab Sample ID: 880-1331-1

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 08:19       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 12:13       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1943         | 04/17/21 18:38       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2049         | 04/20/21 14:57       | WP      | XM  |

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-1331-2

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 08:45       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 13:17       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1943         | 04/17/21 18:38       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2049         | 04/20/21 15:02       | WP      | XM  |

Client Sample ID: H-3 (0"-6")

Lab Sample ID: 880-1331-3

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 09:10       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 13:38       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1943         | 04/17/21 18:38       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2049         | 04/20/21 15:07       | WP      | XM  |

Client Sample ID: H-4 (0"-6")

Lab Sample ID: 880-1331-4

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 09:35       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 14:00       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 10:36       | CH      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-5 (0"-6")

Lab Sample ID: 880-1331-5

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 10:01       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 14:21       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 10:41       | CH      | XM  |

Client Sample ID: H-6 (0"-6")

Lab Sample ID: 880-1331-6

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 11:44       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 14:42       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 10:46       | CH      | XM  |

Client Sample ID: H-7 (0"-6")

Lab Sample ID: 880-1331-7

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 12:09       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 15:04       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 10:51       | CH      | XM  |

Client Sample ID: H-8 (0"-6")

Lab Sample ID: 880-1331-8

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 12:35       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 15:25       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 10:56       | CH      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-9 (0"-6")

Lab Sample ID: 880-1331-9

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 13:01       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 15:47       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:11       | CH      | XM  |

Client Sample ID: H-10 (0"-6")

Lab Sample ID: 880-1331-10

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 13:27       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 16:08       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:16       | CH      | XM  |

Client Sample ID: H-11 (0"-6")

Lab Sample ID: 880-1331-11

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 13:52       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 16:57       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:31       | CH      | XM  |

Client Sample ID: H-12 (0"-6")

Lab Sample ID: 880-1331-12

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 14:18       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 17:19       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:37       | CH      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-13 (0"-6")

Lab Sample ID: 880-1331-13

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 14:44       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 17:40       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:42       | CH      | XM  |

Client Sample ID: H-14 (0"-6")

Lab Sample ID: 880-1331-14

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 15:09       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 18:01       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:47       | CH      | XM  |

Client Sample ID: H-15 (0"-6")

Lab Sample ID: 880-1331-15

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1872         | 04/16/21 10:29       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1897         | 04/17/21 15:35       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 18:22       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:52       | CH      | XM  |

Client Sample ID: H-16 (0"-6")

Lab Sample ID: 880-1331-16

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 19:40       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 18:44       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 11:57       | CH      | XM  |

Eurofins Xenco, Midland



## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-17 (0"-6")

Lab Sample ID: 880-1331-17

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 20:01       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 19:05       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1937         | 04/17/21 18:24       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1962         | 04/19/21 12:02       | CH      | XM  |

Client Sample ID: H-18 (0"-6")

Lab Sample ID: 880-1331-18

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 20:22       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 19:26       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 10:23       | WP      | XM  |

Client Sample ID: H-19 (0"-6")

Lab Sample ID: 880-1331-19

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 20:42       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 19:48       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 10:38       | WP      | XM  |

Client Sample ID: H-20 (0"-6")

Lab Sample ID: 880-1331-20

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 21:03       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1859         | 04/16/21 08:45       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 20:09       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 10:43       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-21 (0"-6")

Lab Sample ID: 880-1331-21

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 21:24       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 21:54       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 10:48       | WP      | XM  |

Client Sample ID: H-22 (0"-6")

Lab Sample ID: 880-1331-22

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 21:44       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 22:58       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 10:53       | WP      | XM  |

Client Sample ID: H-23 (0"-6")

Lab Sample ID: 880-1331-23

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 22:05       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 23:19       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:09       | WP      | XM  |

Client Sample ID: H-24 (0"-6")

Lab Sample ID: 880-1331-24

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 22:26       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/16/21 23:40       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:14       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-25 (0"-6")

Lab Sample ID: 880-1331-25

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/16/21 22:46       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 00:02       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:19       | WP      | XM  |

Client Sample ID: H-26 (0"-6")

Lab Sample ID: 880-1331-26

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 00:11       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 00:23       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:24       | WP      | XM  |

Client Sample ID: H-27 (0"-6")

Lab Sample ID: 880-1331-27

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 00:32       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 00:44       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:29       | WP      | XM  |

Client Sample ID: H-28 (0"-6")

Lab Sample ID: 880-1331-28

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 00:53       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 01:05       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:34       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: H-29 (0"-6")

Lab Sample ID: 880-1331-29

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 01:13       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 01:27       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:49       | WP      | XM  |

Client Sample ID: H-30 (0"-6")

Lab Sample ID: 880-1331-30

Date Collected: 04/08/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 01:34       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 01:48       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 11:54       | WP      | XM  |

Client Sample ID: AH-1 (0"-6")

Lab Sample ID: 880-1331-31

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 01:55       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 02:31       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1964         | 04/20/21 09:13       | WP      | XM  |

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-1331-33

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 02:15       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 02:51       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1964         | 04/19/21 12:15       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-2 (0"-6")

Lab Sample ID: 880-1331-35

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 02:36       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 03:13       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1964         | 04/19/21 12:20       | WP      | XM  |

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-1331-37

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1880         | 04/16/21 11:10       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1902         | 04/17/21 02:57       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 03:34       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1964         | 04/19/21 12:25       | WP      | XM  |

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-1331-39

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1964         | 04/19/21 12:30       | WP      | XM  |

Client Sample ID: AH-2 (3'-3.5)

Lab Sample ID: 880-1331-41

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1964         | 04/19/21 12:35       | WP      | XM  |

Client Sample ID: AH-2 (4'-4.5')

Lab Sample ID: 880-1331-43

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1938         | 04/17/21 18:27       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1964         | 04/19/21 12:40       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-3 (0"-6")

Lab Sample ID: 880-1331-45

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1975         | 04/19/21 11:01       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1974         | 04/19/21 20:10       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 03:55       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1944         | 04/17/21 18:39       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2050         | 04/22/21 10:12       | WP      | XM  |

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-1331-47

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1889         | 04/16/21 14:49       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1905         | 04/17/21 13:14       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 04:16       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1944         | 04/17/21 18:39       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2050         | 04/22/21 10:35       | WP      | XM  |

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-1331-49

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1944         | 04/17/21 18:39       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2050         | 04/22/21 10:42       | WP      | XM  |

Client Sample ID: AH-3 (3'-3.5')

Lab Sample ID: 880-1331-51

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1944         | 04/17/21 18:39       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2050         | 04/22/21 10:50       | WP      | XM  |

Client Sample ID: AH-4 (0"-6")

Lab Sample ID: 880-1331-53

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1889         | 04/16/21 14:49       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1905         | 04/17/21 13:35       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 04:38       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1944         | 04/17/21 18:39       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2050         | 04/22/21 10:58       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-5 (0"-6")

Lab Sample ID: 880-1331-54

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1889         | 04/16/21 14:49       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1905         | 04/17/21 13:55       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 04:59       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 12:48       | CH      | XM  |

Client Sample ID: AH-5 (1'-1.5')

Lab Sample ID: 880-1331-56

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1889         | 04/16/21 14:49       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1905         | 04/17/21 14:15       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 05:20       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:04       | CH      | XM  |

Client Sample ID: AH-5 (2'-2.5')

Lab Sample ID: 880-1331-58

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:10       | CH      | XM  |

Client Sample ID: AH-5 (3'-3.5')

Lab Sample ID: 880-1331-60

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2032         | 04/20/21 13:15       | CH      | XM  |

Client Sample ID: AH-6 (0"-6")

Lab Sample ID: 880-1331-62

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1889         | 04/16/21 14:49       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1905         | 04/17/21 14:36       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1860         | 04/16/21 08:59       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1865         | 04/17/21 05:41       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:21       | CH      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-6 (1'-1.5')

Lab Sample ID: 880-1331-64

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 16:43       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 15:09       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:37       | CH      | XM  |

Client Sample ID: AH-6 (2'-2.5')

Lab Sample ID: 880-1331-66

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:43       | CH      | XM  |

Client Sample ID: AH-6 (3'-3.5')

Lab Sample ID: 880-1331-68

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:48       | CH      | XM  |

Client Sample ID: AH-6 (4'-4.5')

Lab Sample ID: 880-1331-70

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 13:54       | CH      | XM  |

Client Sample ID: AH-7 (0"-6")

Lab Sample ID: 880-1331-72

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 17:12       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 16:14       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 110             | 2032         | 04/20/21 14:00       | CH      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-7 (1'-1.5')

Lab Sample ID: 880-1331-74

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 18:36       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 16:36       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 14:05       | CH      | XM  |

Client Sample ID: AH-7 (2'-2.5')

Lab Sample ID: 880-1331-76

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2032         | 04/20/21 14:22       | CH      | XM  |

Client Sample ID: AH-7 (3'-3.5)

Lab Sample ID: 880-1331-78

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2032         | 04/20/21 14:27       | CH      | XM  |

Client Sample ID: AH-8 (0"-6")

Lab Sample ID: 880-1331-80

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 18:56       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 16:58       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2032         | 04/20/21 14:44       | CH      | XM  |

Client Sample ID: AH-8 (1'-1.5')

Lab Sample ID: 880-1331-82

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 19:17       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 17:19       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1945         | 04/17/21 18:40       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 2032         | 04/20/21 14:49       | CH      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-8 (2'-2.5')

Lab Sample ID: 880-1331-84

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 16:03       | WP      | XM  |

Client Sample ID: AH-8 (3'-3.5)

Lab Sample ID: 880-1331-86

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 16:20       | WP      | XM  |

Client Sample ID: AH-8 (4'-4.5')

Lab Sample ID: 880-1331-88

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1977         | 04/19/21 16:26       | WP      | XM  |

Client Sample ID: AH-9 (0"-6")

Lab Sample ID: 880-1331-90

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 19:38       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 17:41       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1977         | 04/19/21 16:31       | WP      | XM  |

Client Sample ID: AH-9 (1'-1.5')

Lab Sample ID: 880-1331-92

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 19:58       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 18:02       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1977         | 04/20/21 09:02       | WP      | XM  |

Eurofins Xenco, Midland



## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-9 (2'-2.5')

Lab Sample ID: 880-1331-94

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 16:53       | WP      | XM  |

Client Sample ID: AH-9 (3'-3.5')

Lab Sample ID: 880-1331-96

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 16:59       | WP      | XM  |

Client Sample ID: AH-9 (4'-4.5')

Lab Sample ID: 880-1331-98

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1977         | 04/19/21 17:04       | WP      | XM  |

Client Sample ID: AH-10 (0"-6")

Lab Sample ID: 880-1331-99

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 20:19       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 18:24       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 17:10       | WP      | XM  |

Client Sample ID: AH-10 (1'-1.5')

Lab Sample ID: 880-1331-101

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 20:40       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 18:46       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1977         | 04/19/21 17:15       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-10 (2'-2.5')

Lab Sample ID: 880-1331-103

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 17:21       | WP      | XM  |

Client Sample ID: AH-10 (3'-3.5')

Lab Sample ID: 880-1331-105

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 17:38       | WP      | XM  |

Client Sample ID: AH-10 (4'-4.5')

Lab Sample ID: 880-1331-107

Date Collected: 04/09/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1977         | 04/19/21 17:43       | WP      | XM  |

Client Sample ID: AH-11 (0"-6")

Lab Sample ID: 880-1331-109

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 21:00       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 19:07       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1977         | 04/19/21 18:00       | WP      | XM  |

Client Sample ID: AH-11 (1'-1.5')

Lab Sample ID: 880-1331-111

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 21:21       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 19:50       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 18:05       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-11 (2'-2.5')

Lab Sample ID: 880-1331-113

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 18:11       | WP      | XM  |

Client Sample ID: AH-11 (3.-3.5')

Lab Sample ID: 880-1331-115

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1977         | 04/19/21 18:16       | WP      | XM  |

Client Sample ID: AH-12 (0"-6")

Lab Sample ID: 880-1331-118

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1901         | 04/16/21 15:25       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 1966         | 04/19/21 21:42       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 20:12       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1977         | 04/19/21 18:22       | WP      | XM  |

Client Sample ID: AH-14 (0"-6")

Lab Sample ID: 880-1331-122

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 19:27       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 20:33       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1977         | 04/19/21 18:27       | WP      | XM  |

Client Sample ID: AH-14 (1'-1.5')

Lab Sample ID: 880-1331-124

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 19:53       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 20:55       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1939         | 04/17/21 18:29       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1977         | 04/19/21 18:33       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-15 (0"-6")

Lab Sample ID: 880-1331-126

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 20:19       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 21:16       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 14:52       | WP      | XM  |

Client Sample ID: AH-15 (1'-1.5')

Lab Sample ID: 880-1331-128

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 20:44       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 21:37       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 15:07       | WP      | XM  |

Client Sample ID: AH-16 (0"-6")

Lab Sample ID: 880-1331-129

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 21:10       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 21:59       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 15:12       | WP      | XM  |

Client Sample ID: AH-17 (0"-6")

Lab Sample ID: 880-1331-131

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 21:36       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 22:20       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 15:18       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-17 (1'-1.5')

Lab Sample ID: 880-1331-133

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 22:01       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 22:41       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1999         | 04/19/21 15:23       | WP      | XM  |

Client Sample ID: AH-18 (0"-6")

Lab Sample ID: 880-1331-135

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 22:27       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1861         | 04/16/21 09:17       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1882         | 04/16/21 23:03       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 15:38       | WP      | XM  |

Client Sample ID: AH-19 (0"-6")

Lab Sample ID: 880-1331-137

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 22:53       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 15:09       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 15:43       | WP      | XM  |

Client Sample ID: AH-20 (0"-6")

Lab Sample ID: 880-1331-139

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/20/21 23:19       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 16:14       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 15:48       | WP      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-20 (1'-1.5')

Lab Sample ID: 880-1331-141

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 01:02       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 16:36       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 15:53       | WP      | XM  |

Client Sample ID: AH-20 (2'-2.5')

Lab Sample ID: 880-1331-143

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 1999         | 04/19/21 15:58       | WP      | XM  |

Client Sample ID: AH-20 (3'-3.5')

Lab Sample ID: 880-1331-145

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 16:03       | WP      | XM  |

Client Sample ID: AH-20 (4'-4.5')

Lab Sample ID: 880-1331-147

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 16:19       | WP      | XM  |

Client Sample ID: AH-21 (0"-6")

Lab Sample ID: 880-1331-149

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 01:28       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 16:58       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 20              | 1999         | 04/19/21 16:24       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-21 (1'-1.5')

Lab Sample ID: 880-1331-151

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 01:54       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 17:19       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 16:39       | WP      | XM  |

Client Sample ID: AH-21 (2'-2.5')

Lab Sample ID: 880-1331-153

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 16:44       | WP      | XM  |

Client Sample ID: AH-21 (3'-3.5')

Lab Sample ID: 880-1331-155

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 16:49       | WP      | XM  |

Client Sample ID: AH-21 (4'-4.5')

Lab Sample ID: 880-1331-157

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 16:54       | WP      | XM  |

Client Sample ID: AH-22 (0"-6')

Lab Sample ID: 880-1331-159

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 02:19       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 17:41       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 1999         | 04/19/21 20:24       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-22 (1'-1.5')

Lab Sample ID: 880-1331-161

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 02:45       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 18:02       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 17:01       | WP      | XM  |

Client Sample ID: AH-22 (2'-2.5')

Lab Sample ID: 880-1331-163

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1940         | 04/17/21 18:30       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 1999         | 04/19/21 17:06       | WP      | XM  |

Client Sample ID: AH-22 (3'-3.5')

Lab Sample ID: 880-1331-165

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2000         | 04/19/21 18:02       | WP      | XM  |

Client Sample ID: AH-23 (0"-6")

Lab Sample ID: 880-1331-166

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 03:11       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 18:24       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 18:17       | WP      | XM  |

Client Sample ID: AH-24 (0"-6")

Lab Sample ID: 880-1331-167

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 03:37       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 18:46       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2000         | 04/19/21 18:22       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-24 (1'-1.5')

Lab Sample ID: 880-1331-169

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 04:03       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 19:07       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2000         | 04/19/21 18:27       | WP      | XM  |

Client Sample ID: AH-24 (2'-2.5')

Lab Sample ID: 880-1331-171

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2000         | 04/19/21 18:32       | WP      | XM  |

Client Sample ID: AH-25 (0"-6")

Lab Sample ID: 880-1331-172

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 04:29       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 19:50       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 1               | 2000         | 04/19/21 18:47       | WP      | XM  |

Client Sample ID: AH-26 (0"-6")

Lab Sample ID: 880-1331-174

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1965         | 04/19/21 10:02       | KL      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2056         | 04/21/21 04:55       | KL      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 20:12       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 18:53       | WP      | XM  |

Client Sample ID: AH-26 (1'-1.5')

Lab Sample ID: 880-1331-176

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 13:48       | MR      | XM  |

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## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-26 (1'-1.5')

Lab Sample ID: 880-1331-176

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 20:33       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 18:58       | WP      | XM  |

Client Sample ID: AH-26 (2'-2.5')

Lab Sample ID: 880-1331-178

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 19:03       | WP      | XM  |

Client Sample ID: AH-27 (0"-6")

Lab Sample ID: 880-1331-179

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 14:08       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 20:55       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2000         | 04/19/21 19:08       | WP      | XM  |

Client Sample ID: AH-27 (1'-1.5')

Lab Sample ID: 880-1331-181

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 14:28       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 21:16       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2000         | 04/19/21 19:13       | WP      | XM  |

Client Sample ID: AH-27 (2'-2.5')

Lab Sample ID: 880-1331-183

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 19:28       | WP      | XM  |

Eurofins Xenco, Midland



## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-27 (3'-3.5')

Lab Sample ID: 880-1331-185

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 19:33       | WP      | XM  |

Client Sample ID: AH-27 (4'-4.5')

Lab Sample ID: 880-1331-187

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 19:49       | WP      | XM  |

Client Sample ID: AH-28 (0"-6")

Lab Sample ID: 880-1331-189

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 14:49       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 21:37       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2000         | 04/19/21 19:54       | WP      | XM  |

Client Sample ID: AH-28 (1'-1.5')

Lab Sample ID: 880-1331-191

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 15:09       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 21:59       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 19:59       | WP      | XM  |

Client Sample ID: AH-28 (2'-2.5')

Lab Sample ID: 880-1331-193

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 20:04       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-28 (3'-3.5')

Lab Sample ID: 880-1331-195

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 20:09       | WP      | XM  |

Client Sample ID: AH-29 (0"-6")

Lab Sample ID: 880-1331-197

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 15:30       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 22:20       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 20:14       | WP      | XM  |

Client Sample ID: AH-29 (1'-1.5')

Lab Sample ID: 880-1331-199

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 15:50       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 22:41       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1941         | 04/17/21 18:34       | SC      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2000         | 04/19/21 20:19       | WP      | XM  |

Client Sample ID: AH-29 (2'-2.5')

Lab Sample ID: 880-1331-201

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2014         | 04/19/21 17:47       | WP      | XM  |

Client Sample ID: AH-29 (3'-3.5')

Lab Sample ID: 880-1331-203

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2014         | 04/19/21 18:03       | WP      | XM  |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Client Sample ID: AH-30 (0"-6")

Lab Sample ID: 880-1331-205

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 16:11       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1864         | 04/16/21 09:31       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1885         | 04/16/21 23:03       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 5               | 2014         | 04/19/21 18:08       | WP      | XM  |

Client Sample ID: AH-30 (1'-1.5')

Lab Sample ID: 880-1331-207

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Total/NA  | Prep       | 5035         |     |                 | 1985         | 04/19/21 13:30       | MR      | XM  |
| Total/NA  | Analysis   | 8021B        |     | 1               | 2028         | 04/20/21 16:31       | MR      | XM  |
| Total/NA  | Prep       | 8015NM Prep  |     |                 | 1894         | 04/16/21 12:09       | DM      | XM  |
| Total/NA  | Analysis   | 8015B NM     |     | 1               | 1923         | 04/17/21 19:12       | AJ      | XM  |
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2014         | 04/19/21 18:13       | WP      | XM  |

Client Sample ID: AH-30 (2'-2.5')

Lab Sample ID: 880-1331-209

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2014         | 04/19/21 18:18       | WP      | XM  |

Client Sample ID: AH-30 (3'-3.5')

Lab Sample ID: 880-1331-211

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2014         | 04/19/21 18:33       | WP      | XM  |

Client Sample ID: AH-30 (4'-4.5')

Lab Sample ID: 880-1331-213

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/15/21 15:06

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|-----|
| Soluble   | Leach      | DI Leach     |     |                 | 1942         | 04/17/21 18:36       | CH      | XM  |
| Soluble   | Analysis   | 300.0        |     | 10              | 2014         | 04/19/21 18:38       | WP      | XM  |

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400-20-21      | 06-30-21        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015B NM                                                                                                                                                                                              | 8015NM Prep | Solid                 | Total TPH       |
| 8021B                                                                                                                                                                                                 | 5035        | Solid                 | Total BTEX      |

## Method Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | XM         |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | XM         |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | XM         |
| 5035        | Closed System Purge and Trap       | SW846    | XM         |
| 8015NM Prep | Microextraction                    | SW846    | XM         |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | XM         |

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



## Sample Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 880-1331-1    | H-1 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-2    | H-2 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-3    | H-3 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-4    | H-4 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-5    | H-5 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-6    | H-6 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-7    | H-7 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-8    | H-8 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-9    | H-9 (0"-6")      | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-10   | H-10 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-11   | H-11 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-12   | H-12 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-13   | H-13 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-14   | H-14 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-15   | H-15 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-16   | H-16 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-17   | H-17 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-18   | H-18 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-19   | H-19 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-20   | H-20 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-21   | H-21 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-22   | H-22 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-23   | H-23 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-24   | H-24 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-25   | H-25 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-26   | H-26 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-27   | H-27 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-28   | H-28 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-29   | H-29 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-30   | H-30 (0"-6")     | Solid  | 04/08/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-31   | AH-1 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-33   | AH-1 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-35   | AH-2 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-37   | AH-2 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-39   | AH-2 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-41   | AH-2 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-43   | AH-2 (4'-4.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-45   | AH-3 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-47   | AH-3 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-49   | AH-3 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-51   | AH-3 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-53   | AH-4 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-54   | AH-5 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-56   | AH-5 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-58   | AH-5 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-60   | AH-5 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-62   | AH-6 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-64   | AH-6 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-66   | AH-6 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-68   | AH-6 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-70   | AH-6 (4'-4.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-72   | AH-7 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-74   | AH-7 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |

Eurofins Xenco, Midland

## Sample Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 880-1331-76   | AH-7 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-78   | AH-7 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-80   | AH-8 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-82   | AH-8 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-84   | AH-8 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-86   | AH-8 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-88   | AH-8 (4'-4.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-90   | AH-9 (0"-6")     | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-92   | AH-9 (1'-1.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-94   | AH-9 (2'-2.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-96   | AH-9 (3'-3.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-98   | AH-9 (4'-4.5')   | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-99   | AH-10 (0"-6")    | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-101  | AH-10 (1'-1.5')  | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-103  | AH-10 (2'-2.5')  | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-105  | AH-10 (3'-3.5')  | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-107  | AH-10 (4'-4.5')  | Solid  | 04/09/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-109  | AH-11 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-111  | AH-11 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-113  | AH-11 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-115  | AH-11 (3.-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-118  | AH-12 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-122  | AH-14 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-124  | AH-14 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-126  | AH-15 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-128  | AH-15 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-129  | AH-16 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-131  | AH-17 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-133  | AH-17 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-135  | AH-18 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-137  | AH-19 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-139  | AH-20 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-141  | AH-20 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-143  | AH-20 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-145  | AH-20 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-147  | AH-20 (4'-4.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-149  | AH-21 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-151  | AH-21 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-153  | AH-21 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-155  | AH-21 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-157  | AH-21 (4'-4.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-159  | AH-22 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-161  | AH-22 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-163  | AH-22 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-165  | AH-22 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-166  | AH-23 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-167  | AH-24 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-169  | AH-24 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-171  | AH-24 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-172  | AH-25 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-174  | AH-26 (0"-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-176  | AH-26 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-178  | AH-26 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |

Eurofins Xenco, Midland

## Sample Summary

Client: Tetra Tech, Inc.  
Project/Site: Palmilla to State HU Line

Job ID: 880-1331-1  
SDG: Eddy County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 880-1331-179  | AH-27 (0'-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-181  | AH-27 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-183  | AH-27 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-185  | AH-27 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-187  | AH-27 (4'-4.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-189  | AH-28 (0'-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-191  | AH-28 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-193  | AH-28 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-195  | AH-28 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-197  | AH-29 (0'-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-199  | AH-29 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-201  | AH-29 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-203  | AH-29 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-205  | AH-30 (0'-6")    | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-207  | AH-30 (1'-1.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-209  | AH-30 (2'-2.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-211  | AH-30 (3'-3.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |
| 880-1331-213  | AH-30 (4'-4.5')  | Solid  | 04/14/21 00:00 | 04/15/21 15:06 |          |

Eurofins Xenco, Midland

## Analysis Request of Custody Record

**Tetra Tech, Inc.**4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

880-1331 Chain of Custody

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4/22/2021

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmyra to State HU Line                |  | Project #: 212C-MD-02473              |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  | Sampler Signature: Colton Bickerstaff |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Comments: Standard TAT                |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                |
| H-1 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-2 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-3 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-4 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-5 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-6 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-7 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-8 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-9 (0"-6")             |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |
| H-10 (0"-6")            |                       | 4/8/2021 |      | X      |      |                     |                  | X            |                |

|                                     |               |             |
|-------------------------------------|---------------|-------------|
| Relinquished by: Colton Bickerstaff | Date: 4/15/21 | Time: 15:00 |
| Relinquished by:                    | Date:         | Time:       |
| Relinquished by:                    | Date:         | Time:       |

|              |       |       |
|--------------|-------|-------|
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| LAB USE ONLY       | REMARKS:                                                      |
| Sample Temperature | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr     |
| 2.3/2.8            | <input type="checkbox"/> Rush Charges Authorized              |
| +0.5               | <input type="checkbox"/> Special Report Limits or TRRP Report |

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ANALYSIS REQUEST  
(Circle or Specify Method No.)

880-1331

## Analysis Request of Custody Record



## Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmilla to State HU Line                 |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  | Standard TAT                              |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |          |      |        |      |                     |                  |              |                |     |
| H-11 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-12 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-13 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-14 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-15 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-16 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-17 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-18 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-19 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |
| H-20 (0"-6")            |                       | 4/8/2021 |      | X      |      | X                   |                  |              |                |     |

|                    |         |       |                    |         |       |
|--------------------|---------|-------|--------------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by:       | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       | Colton Bickerstaff | 4-15-21 | 15:06 |
| Relinquished by:   | Date:   | Time: | Received by:       | Date:   | Time: |
|                    |         |       |                    |         |       |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | ANALYSIS REQUEST<br>(Circle or Specify Method No.)<br>BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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## Analysis Request of Custody Record

**Tetra Tech, Inc.**4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 582-4559  
Fax (432) 582-3946Page 3 of 22

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmita to State HU Line                |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Colton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |          | MATRIX |       | PRESERVATIVE METHOD |     | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST<br>(Circle or Specify Method No.) |                  |     |
|-------------------------|-----------------------|----------|----------|--------|-------|---------------------|-----|--------------|----------------|----------------------------------------------------|------------------|-----|
|                         |                       | YEAR     | DATE     | TIME   | WATER | SOIL                | HCL |              |                |                                                    | HNO <sub>3</sub> | ICE |
|                         |                       |          |          |        |       |                     |     |              |                |                                                    |                  |     |
| H-21 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | BTEX 8021B BTEX 8260B                              |                  |     |
| H-22 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | TPH TX1005 (Ext to C35)                            |                  |     |
| H-23 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | TPH 8015M (GRO - DRO - ORO)                        |                  |     |
| H-24 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | PAH 8270C                                          |                  |     |
| H-25 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | Total Metals Ag As Ba Cd Cr Pb Se Hg               |                  |     |
| H-26 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | TCLP Metals Ag As Ba Cd Cr Pb Se Hg                |                  |     |
| H-27 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | TCLP Volatiles                                     |                  |     |
| H-28 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | TCLP Semi Volatiles                                |                  |     |
| H-29 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | RCI                                                |                  |     |
| H-30 (0"-6")            |                       |          | 4/8/2021 |        | X     |                     |     | X            |                | GC/MS Vol. 8260B / 624                             |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | GC/MS Semi. Vol. 8270C/625                         |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | PCB's 8082 / 608                                   |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | NORM                                               |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | PLM (Asbestos)                                     |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | Chloride 300.0                                     |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | Chloride Sulfate TDS                               |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | General Water Chemistry (see attached list)        |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | Anion/Cation Balance                               |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | Asbestos                                           |                  |     |
|                         |                       |          |          |        |       |                     |     |              |                | Hold                                               |                  |     |

|                                     |               |             |                          |               |             |
|-------------------------------------|---------------|-------------|--------------------------|---------------|-------------|
| Relinquished by: Colton Bickerstaff | Date: 4/15/21 | Time: 15:00 | Received by: [Signature] | Date: 4/15/21 | Time: 15:00 |
| Relinquished by:                    | Date:         | Time:       | Received by:             | Date:         | Time:       |

LAB USE ONLY

Sample Temperature

2.3/2.8

+0.5

REMARKS:

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # \_\_\_\_\_

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### Analysis Request of Chain of Custody Records



**Tetra Tech, Inc.**

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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|                                                |  |                              |       |  |              |  |                                           |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------|--|------------------------------|-------|--|--------------|--|-------------------------------------------|--------------------|---------------|---------------|----------------------------|-----|------------------|--------------------|---------------------|--|-----------------------|---|--|--------------------------------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Client Name:                                   |  |                              |       |  |              |  | Solaris                                   | Site Manager:      |               |               |                            |     |                  | Brittany Long      |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name:                                  |  |                              |       |  |              |  | Palmilla to State HU Line                 |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location:<br>(county, state)           |  |                              |       |  |              |  | Eddy County, NM                           | Project #:         |               |               |                            |     |                  | 212C-MD-02473      |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Invoice to:                                    |  |                              |       |  |              |  | Tetra Tech, Inc. Attention: Brittany Long |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Receiving Laboratory:                          |  |                              |       |  |              |  | Eurofins Xenco                            | Sampler Signature: |               |               |                            |     |                  | Colton Bickerstaff |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Comments:                                      |  |                              |       |  |              |  | Standard TAT                              |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>LAB #<br/><small>(LAB USE ONLY)</small></b> |  | <b>SAMPLE IDENTIFICATION</b> |       |  |              |  | <b>SAMPLING</b>                           |                    | <b>MATRIX</b> |               | <b>PRESERVATIVE METHOD</b> |     |                  |                    | <b># CONTAINERS</b> |  | <b>FILTERED (Y/N)</b> |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                |  |                              |       |  |              |  | YEAR                                      | DATE               | TIME          | WATER<br>SOIL |                            | HCL | HNO <sub>3</sub> | ICE                |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-1 (0"-6")                                   |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       | 1 |  | BTEX 8021B                           | BTEX 8260B                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-1 (6"-12")                                  |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | TPH TX1005 (Ext to C35)              |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-1 (1'-1.5')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | TPH 8015M ( GRO - DRO - ORO )        |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-1 (1.5'-2')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | PAH 8270C                            |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (0"-6")                                   |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | Total Metals Ag As Ba Cd Cr Pb Se Hg |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (6"-12")                                  |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | TCLP Metals Ag As Ba Cd Cr Pb Se Hg  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (1'-1.5')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | TCLP Volatiles                       |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (1.5'-2')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | TCLP Semi Volatiles                  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (2'-2.5')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | RCI                                  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AH-2 (2.5'-3')                                 |  |                              |       |  |              |  | 4/9/2021                                  |                    |               | X             |                            |     |                  | X                  |                     |  |                       |   |  | GC/MS Vol. 8260B / 624               |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                               |  | Date:                        | Time: |  | Received by: |  | Date:                                     | Time:              |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Colton Bickerstaff                             |  |                              |       |  | 4/15/21      |  |                                           | 15:00              |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                               |  | Date:                        | Time: |  | Received by: |  | Date:                                     | Time:              |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                               |  | Date:                        | Time: |  | Received by: |  | Date:                                     | Time:              |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAB USE ONLY                                   |  | REMARKS:                     |       |  |              |  |                                           |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      | (Circle or Specify Method No.) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RUSH: Same Day    24 hr    48 hr    72 hr      |  |                              |       |  |              |  |                                           |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Special Report Limits or TRRP Report           |  |                              |       |  |              |  |                                           |                    |               |               |                            |     |                  |                    |                     |  |                       |   |  |                                      |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 4000 N. Big Spring Street, Ste  
 401 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Page

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4/22/2021

|                                      |                       |                                           |          |                    |       |                     |     |                  |
|--------------------------------------|-----------------------|-------------------------------------------|----------|--------------------|-------|---------------------|-----|------------------|
| Client Name:                         |                       | Solaris                                   |          | Site Manager:      |       | Brittany Long       |     |                  |
| Project Name:                        |                       | Palmilla to State HU Line                 |          | Project #:         |       | 212C-MD-02473       |     |                  |
| Project Location:<br>(county, state) |                       | Eddy County, NM                           |          | Project #:         |       | 212C-MD-02473       |     |                  |
| Invoice to:                          |                       | Tetra Tech, Inc. Attention: Brittany Long |          | Sampler Signature: |       | Colton Bickerstaff  |     |                  |
| Receiving Laboratory:                |                       | Eurofins Xenco                            |          | Comments:          |       | Standard TAT        |     |                  |
| LAB #<br>(LAB USE ONLY)              | SAMPLE IDENTIFICATION | SAMPLING                                  |          | MATRIX             |       | PRESERVATIVE METHOD |     |                  |
|                                      |                       | YEAR:                                     | DATE     | TIME               | WATER | SOIL                | HCL | HNO <sub>3</sub> |
|                                      | AH-2 (3-3.5')         |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-2 (3.5'-4')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-2 (4'-4.5')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-2 (4.5'-5')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (0'-6")          |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (6'-12")         |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (1'-1.5')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (1.5'-2')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (2'-2.5')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
|                                      | AH-3 (2.5'-3')        |                                           | 4/9/2021 |                    | X     |                     | X   |                  |
| Relinquished by:                     |                       | Date:                                     |          | Time:              |       | Received by:        |     |                  |
| Colton Bickerstaff                   |                       | 4/15/21                                   |          | 4:15:21            |       | 15:00               |     |                  |
| Relinquished by:                     |                       | Date:                                     |          | Time:              |       | Received by:        |     |                  |
|                                      |                       |                                           |          |                    |       |                     |     |                  |
| Relinquished by:                     |                       | Date:                                     |          | Time:              |       | Received by:        |     |                  |
|                                      |                       |                                           |          |                    |       |                     |     |                  |

|                                                                                                                                                                                |          |                    |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS: | Sample Temperature |      |
|                                                                                                                                                                                |          | 2.8/2.8            | +0.5 |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |          |                    |      |

|                                                    |            |
|----------------------------------------------------|------------|
| ANALYSIS REQUEST<br>(Circle or Specify Method No.) |            |
| BTEX 8021B                                         | BTEX 8260B |
| TPH TX1005 (Ext to C35)                            |            |
| TPH 8015M (GRO - DRO - ORO)                        |            |
| 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 300.0                                     |            |
| Chloride Sulfate TDS                               |            |
| General Water Chemistry (see attached list)        |            |
| Anion/Cation Balance                               |            |
| Asbestos                                           |            |
| Hold                                               |            |

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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4/22/2021

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmilla to State HU Line               |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Cotton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |          |      |        |      |                     |                  |              |                |     |
| AH-3 (3-3.5')           |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-3 (3.5-4')           |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-4 (0"-6")            |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (0"-6")            |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (6"-12")           |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (1'-1.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (1.5'-2')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (2'-2.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (2.5'-3')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-5 (3-3.5')           |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |

|                                     |               |             |                          |               |             |
|-------------------------------------|---------------|-------------|--------------------------|---------------|-------------|
| Relinquished by: Cotton Bickerstaff | Date: 4/15/21 | Time: 15:06 | Received by: [Signature] | Date: 4/15/21 | Time: 15:06 |
| Relinquished by:                    | Date:         | Time:       | Received by:             | Date:         | Time:       |
| Relinquished by:                    | Date:         | Time:       | Received by:             | Date:         | Time:       |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY               | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sample Temperature 2.3/2.8 | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report                                                                                                                                                                                                                                                                                         |
| LAB USE ONLY               | BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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## Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 4000 N. Big Spring Street, Ste  
 401 Midland, Texas 79705  
 Tel (432) 582-4559  
 Fax (432) 582-3946

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmilla to State HU Line               |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Cotton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |          |      |        |      |                     |                  |              |                |     |
| AH-5 (3.5'-4')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (0'-6")            |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (6'-12")           |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (1'-1.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (1.5'-2')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (2'-2.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (2.5'-3')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (3'-3.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (3.5'-4')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |
| AH-6 (4'-4.5')          |                       | 4/9/2021 |      | X      |      | X                   |                  |              |                |     |

|                                     |               |               |
|-------------------------------------|---------------|---------------|
| Relinquished by: Cotton Bickerstaff | Date: 4/16/22 | Time: 4:15:21 |
| Relinquished by:                    | Date:         | Time:         |
| Relinquished by:                    | Date:         | Time:         |

|              |       |       |
|--------------|-------|-------|
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | (Circle or Specify Method No.)<br>BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmilla to State HU Line               |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Colton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |  |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|--|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE |      |              |                |  |
|                         |                       |          |      |        |      |                     |                  |     | YEAR |              |                |  |
| AH-6 (4.5-5)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (0"-6")            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (6"-12")           |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (1'-1.5)           |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (1.5-2)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (2-2.5)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (2.5-3)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (3-3.5)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-7 (3.5-4)            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |
| AH-8 (0"-6")            |                       | 4/9/2021 |      | X      |      |                     |                  | X   |      |              |                |  |

|                                     |               |               |                          |               |             |
|-------------------------------------|---------------|---------------|--------------------------|---------------|-------------|
| Relinquished by: Colton Bickerstaff | Date: 4/15/21 | Time: 4:15:21 | Received by: [Signature] | Date: 4-15-21 | Time: 15:06 |
| Relinquished by:                    | Date:         | Time:         | Received by:             | Date:         | Time:       |
| Relinquished by:                    | Date:         | Time:         | Received by:             | Date:         | Time:       |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | ANALYSIS REQUEST<br>(Circle or Specify Method No.)<br>BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

Sample Temperature: 2.3/2.8  
40.5

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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## Analysis Request of Custody Record



Tetra Tech, Inc.

 4000 N. Big Spring Street, Ste  
 401 Midland, Texas 79705  
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 Fax (432) 682-3946

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|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmilla to State HU Line                 |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  | Standard TAT                              |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |          | MATRIX |       | PRESERVATIVE METHOD |     | # CONTAINERS | FILTERED (Y/N) |                  |     |
|-------------------------|-----------------------|----------|----------|--------|-------|---------------------|-----|--------------|----------------|------------------|-----|
|                         |                       | YEAR     | DATE     | TIME   | WATER | SOIL                | HCL |              |                | HNO <sub>3</sub> | ICE |
|                         |                       |          |          |        |       |                     |     |              |                |                  |     |
|                         | AH-8 (6"-12")         |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (1'-1.5')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (1.5'-2')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (2'-2.5')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (2.5'-3')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (3'-3.5')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (3.5'-4')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (4'-4.5')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-8 (4.5'-5')        |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-9 (0"-6")          |          | 4/9/2021 |        | X     |                     |     | X            |                |                  |     |

|                    |         |       |              |         |       |
|--------------------|---------|-------|--------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       | [Signature]  | 4.15.21 | 1806  |
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
|                    |         |       |              |         |       |

|                                                    |                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                       | REMARKS:                                                                                                                                                                       |
| Sample Temperature<br><u>2.3/28</u><br><u>+0.5</u> | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

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## Analysis Request of Chain of Custody Record

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## Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmilla to State HU Line                 |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  | Standard TAT                              |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |          |      |        |      |                     |                  |              |                |     |
|                         | AH-9 (6'-12")         | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (1'-1.5')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (1.5'-2')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (2'-2.5')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (2.5'-3')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (3'-3.5')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (3.5'-4')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-9 (4'-4.5')        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-10 (0'-6")         | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-10 (6'-12")        | 4/9/2021 |      | X      |      |                     |                  | X            |                |     |

|                    |         |       |              |         |       |
|--------------------|---------|-------|--------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       | [Signature]  | 4.15.21 | 15:00 |
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
|                    |         |       |              |         |       |

|              |          |
|--------------|----------|
| LAB USE ONLY | REMARKS: |
| 2.3/2.8      |          |
| +0.5         |          |

|                                                           |                                                  |                                                               |  |
|-----------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|--|
| LAB USE ONLY                                              |                                                  | REMARKS:                                                      |  |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr | <input type="checkbox"/> Rush Charges Authorized | <input type="checkbox"/> Special Report Limits or TRRP Report |  |

|                                                    |            |
|----------------------------------------------------|------------|
| ANALYSIS REQUEST<br>(Circle or Specify Method No.) |            |
| BTEX 8021B                                         | BTEX 8260B |
| TPH TX1005 (Ext to C35)                            |            |
| TPH 8015M ( GRO - DRO - ORO)                       |            |
| 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 300.0                                     |            |
| Chloride Sulfate TDS                               |            |
| General Water Chemistry (see attached list)        |            |
| Anion/Cation Balance                               |            |
| Asbestos                                           |            |
| Hold                                               |            |

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## Analysis Request of Custody Record



## Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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4/22/2021

|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmilla to State HU Line                 |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  |                                           |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |           | MATRIX |       | PRESERVATIVE METHOD |     | # CONTAINERS | FILTERED (Y/N) |                  |     |
|-------------------------|-----------------------|----------|-----------|--------|-------|---------------------|-----|--------------|----------------|------------------|-----|
|                         |                       | YEAR:    | DATE      | TIME   | WATER | SOIL                | HCL |              |                | HNO <sub>3</sub> | ICE |
|                         |                       |          |           |        |       |                     |     |              |                |                  |     |
|                         | AH-10 (1'-1.5')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (1.5'-2')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (2'-2.5')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (2.5'-3')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (3'-3.5')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (3.5'-4')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (4'-4.5')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-10 (4.5'-5')       |          | 4/9/2021  |        | X     |                     |     | X            |                |                  |     |
|                         | AH-11 (0'-6")         |          | 4/14/2021 |        | X     |                     |     | X            |                |                  |     |
|                         | AH-11 (6'-12")        |          | 4/14/2021 |        | X     |                     |     | X            |                |                  |     |

|                    |         |       |              |         |       |
|--------------------|---------|-------|--------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       |              | 4.15.21 | 15:06 |
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
|                    |         |       |              |         |       |

|                                      |                                                                                                                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                         | REMARKS:                                                                                                                                                                       |
| Sample Temperature<br>23.2.8<br>+0.5 | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

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## Analysis Request of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
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|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmlia to State HU Line                |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Cotton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |           | MATRIX |       | PRESERVATIVE METHOD |     | # CONTAINERS | FILTERED (Y/N) |                  |     |
|-------------------------|-----------------------|----------|-----------|--------|-------|---------------------|-----|--------------|----------------|------------------|-----|
|                         |                       | YEAR     | DATE      | TIME   | WATER | SOIL                | HCL |              |                | HNO <sub>3</sub> | ICE |
|                         |                       |          |           |        |       |                     |     |              |                |                  |     |
|                         | AH-11 (1'-1.5')       |          | 4/14/2021 |        | X     |                     | X   |              | 1              |                  |     |
|                         | AH-11 (1.5'-2')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-11 (2'-2.5')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-11 (2.5'-3')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-11 (3'-3.5')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-11 (3.5'-4')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-11 (4'-4.5')       |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-12 (0'-6")         |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-12 (6'-12")        |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |
|                         | AH-13 (0'-6")         |          | 4/14/2021 |        | X     |                     | X   |              |                |                  |     |

|                                     |               |             |
|-------------------------------------|---------------|-------------|
| Relinquished by: Cotton Bickerstaff | Date: 4/15/21 | Time: 15:00 |
| Relinquished by:                    | Date:         | Time:       |
| Relinquished by:                    | Date:         | Time:       |

|                    |                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY       | REMARKS:                                                                                                                                                                       |
| Sample Temperature | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

|              |                                                                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY | REMARKS:                                                                                                                                                                       |
| 2.3/2.8      | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

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### Analysis Request of Chain of Custody Record



**Tetra Tech, Inc.**

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 582-4559  
Fax (432) 582-3946

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|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmilla to State HU Line                 |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  | Standard TAT                              |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING  |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE      | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |           |      |        |      |                     |                  |              |                |     |
|                         | AH-17 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-17 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-17 (1'-1.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-17 (1.5'-2')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-18 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-18 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-19 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-19 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |

|                    |         |       |              |         |       |
|--------------------|---------|-------|--------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       | [Signature]  | 4.15.21 | 15:06 |
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
|                    |         |       |              |         |       |

|                                                    |                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                       | REMARKS:                                                                                                                                                                       |
| Sample Temperature<br><u>23/2.8</u><br><u>40.5</u> | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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4/22/2021

|                                      |  |                                           |  |                    |  |                    |  |
|--------------------------------------|--|-------------------------------------------|--|--------------------|--|--------------------|--|
| Client Name:                         |  | Solaris                                   |  | Site Manager:      |  | Brittany Long      |  |
| Project Name:                        |  | Palmyra to State HU Line                  |  |                    |  |                    |  |
| Project Location:<br>(county, state) |  | Eddy County, NM                           |  | Project #:         |  | 212C-MD-02473      |  |
| Invoice to:                          |  | Tetra Tech, Inc. Attention: Brittany Long |  |                    |  |                    |  |
| Receiving Laboratory:                |  | Eurofins Xenco                            |  | Sampler Signature: |  | Colton Bickerstaff |  |
| Comments:                            |  | Standard TAT                              |  |                    |  |                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING  |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|
|                         |                       | DATE      | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE |
|                         |                       |           |      |        |      |                     |                  |              |                |     |
|                         | AH-20 (1'-1.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (1.5'-2')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (2'-2.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (2.5'-3')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (3'-3.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (3.5'-4')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (4'-4.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-20 (4.5'-5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-21 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |
|                         | AH-21 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |     |

|                    |         |       |              |         |       |
|--------------------|---------|-------|--------------|---------|-------|
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
| Colton Bickerstaff | 4/15/21 |       | [Signature]  | 4/15/21 | 15:04 |
| Relinquished by:   | Date:   | Time: | Received by: | Date:   | Time: |
|                    |         |       |              |         |       |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | ANALYSIS REQUEST<br>(Circle or Specify Method No.)<br>BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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### **Analysis Request of Chain of Custody Record**



**Tetra Tech, Inc.**

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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## Analysis Request of Chain of Custody Record



**Tetra Tech, Inc.**

4000 N. Big Spring Street, Suite  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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4/22/2021

|                                              |  |  |  |  |  |                                           |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |
|----------------------------------------------|--|--|--|--|--|-------------------------------------------|--|--|--|--|--|--------------------|------|-------------|-------|---------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|--|--|--|
| Client Name:                                 |  |  |  |  |  | Solaris                                   |  |  |  |  |  | Site Manager:      |      |             |       |                     |     | Brittany Long                                                                                                                                                                  |     |                |  |  |  |
| Project Name:                                |  |  |  |  |  | Palmilla to State HU Line                 |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |
| Project Location:<br>(county, state)         |  |  |  |  |  | Eddy County, NM                           |  |  |  |  |  | Project #:         |      |             |       |                     |     | 212C-MD-02473                                                                                                                                                                  |     |                |  |  |  |
| Invoice to:                                  |  |  |  |  |  |                                           |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |
| Receiving Laboratory:                        |  |  |  |  |  | Tetra Tech, Inc. Attention: Brittany Long |  |  |  |  |  | Sampler Signature: |      |             |       |                     |     | Colton Bickerstaff                                                                                                                                                             |     |                |  |  |  |
| Comments:                                    |  |  |  |  |  | Eurofins Xenco                            |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |
| Standard TAT                                 |  |  |  |  |  |                                           |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |
| LAB #<br><small>(LAB USE ONLY)</small>       |  |  |  |  |  | SAMPLE IDENTIFICATION                     |  |  |  |  |  | SAMPLING           |      | MATRIX      |       | PRESERVATIVE METHOD |     | # CONTAINERS                                                                                                                                                                   |     | FILTERED (Y/N) |  |  |  |
|                                              |  |  |  |  |  |                                           |  |  |  |  |  | YEAR:              | DATE | TIME        | WATER | SOIL                | HCL | HNO <sub>3</sub>                                                                                                                                                               | ICE |                |  |  |  |
| AH-22 (1'-1.5')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-22 (1.5'-2')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-22 (2'-2.5')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-22 (2.5'-3')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-22 (3'-3.5')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-23 (0"-6")                                |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-24 (0"-6")                                |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-24 (6"-12")                               |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-24 (1'-1.5')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| AH-24 (1.5'-2')                              |  |  |  |  |  | 4/14/2021                                 |  |  |  |  |  | X                  |      |             | X     |                     |     |                                                                                                                                                                                | 1   |                |  |  |  |
| Relinquished by:                             |  |  |  |  |  | Date: Time:                               |  |  |  |  |  | Received by:       |      | Date: Time: |       | LAB USE ONLY        |     | REMARKS:                                                                                                                                                                       |     |                |  |  |  |
| Colton Bickerstaff                           |  |  |  |  |  | 4/15/21                                   |  |  |  |  |  | [Signature]        |      | 4.15.21     |       | 15:00               |     |                                                                                                                                                                                |     |                |  |  |  |
| Relinquished by:                             |  |  |  |  |  | Date: Time:                               |  |  |  |  |  | Received by:       |      | Date: Time: |       | Sample Temperature  |     |                                                                                                                                                                                |     |                |  |  |  |
| Relinquished by:                             |  |  |  |  |  | Date: Time:                               |  |  |  |  |  | Received by:       |      | Date: Time: |       | 2.3 / 2.8<br>+0.5   |     | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |     |                |  |  |  |
| (Circle) HAND DELIVERED FEDEX UPS Tracking # |  |  |  |  |  |                                           |  |  |  |  |  |                    |      |             |       |                     |     |                                                                                                                                                                                |     |                |  |  |  |



## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Page

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4/22/2021

| Client Name:                         |                       | Solaris                                   |       | Site Manager:      |      | Brittany Long       |                  |              |                |
|--------------------------------------|-----------------------|-------------------------------------------|-------|--------------------|------|---------------------|------------------|--------------|----------------|
| Project Name:                        |                       | Palmlilla to State HU Line                |       |                    |      |                     |                  |              |                |
| Project Location:<br>(county, state) |                       | Eddy County, NM                           |       | Project #:         |      | 212C-MD-02473       |                  |              |                |
| Invoice to:                          |                       | Tetra Tech, Inc. Attention: Brittany Long |       |                    |      |                     |                  |              |                |
| Receiving Laboratory:                |                       | Eurofins Xenco                            |       | Sampler Signature: |      | Colton Bickerstaff  |                  |              |                |
| Comments:                            |                       |                                           |       |                    |      |                     |                  |              |                |
| Standard TAT                         |                       |                                           |       |                    |      |                     |                  |              |                |
| LAB #<br>(LAB USE ONLY)              | SAMPLE IDENTIFICATION | SAMPLING                                  |       | MATRIX             |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |
|                                      |                       | DATE                                      | TIME  | WATER              | SOIL | HCL                 | HNO <sub>3</sub> |              |                |
| AH-24 (2'-2.5')                      |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-25 (0'-6")                        |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-25 (6'-12")                       |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-26 (0'-6")                        |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-26 (6'-12")                       |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-26 (1'-1.5')                      |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-26 (1.5'-2')                      |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-26 (2'-2.5')                      |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-27 (0'-6")                        |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| AH-27 (6'-12")                       |                       | 4/14/2021                                 |       | X                  |      | X                   |                  |              |                |
| Relinquished by:                     |                       | Date:                                     | Time: | Received by:       |      | Date:               | Time:            |              |                |
| Colton Bickerstaff                   |                       |                                           |       | 4/15/21            |      | 4.15.21             | 15:00            |              |                |
| Relinquished by:                     |                       | Date:                                     | Time: | Received by:       |      | Date:               | Time:            |              |                |
|                                      |                       |                                           |       |                    |      |                     |                  |              |                |
| Relinquished by:                     |                       | Date:                                     | Time: | Received by:       |      | Date:               | Time:            |              |                |
|                                      |                       |                                           |       |                    |      |                     |                  |              |                |

|                                             |                                      |            |
|---------------------------------------------|--------------------------------------|------------|
| LAB USE ONLY                                | BTEX 8021B                           | BTEX 8260B |
|                                             | TPH TX1005 (Ext to C35)              |            |
|                                             | TPH 8015M (GRO - DRO - ORO)          |            |
|                                             | 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 300.0                       |            |
| Chloride Sulfate TDS                        |                                      |            |
| General Water Chemistry (see attached list) |                                      |            |
| Anion/Cation Balance                        |                                      |            |
| Asbestos                                    |                                      |            |
| Hold                                        |                                      |            |

|                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REMARKS:                                                                                                                                                                       |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

LAB USE ONLY

2.3/2.8

40.5

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

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4/22/2021

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmilla to State HU Line               |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Cotton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING  |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |   |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|---|
|                         |                       | DATE      | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE |      |              |                |   |
|                         |                       |           |      |        |      |                     |                  |     | YEAR |              |                |   |
| AH-27 (1-1.5)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (1.5-2)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (2-2.5)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (2.5-3)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (3-3.5)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (3.5-4)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (4-4.5)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-27 (4.5-5)           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-28 (0"-6")           |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |
| AH-28 (6"-12")          |                       | 4/14/2021 |      | X      |      |                     |                  | X   |      |              |                | 1 |

|                                     |               |       |                          |               |            |
|-------------------------------------|---------------|-------|--------------------------|---------------|------------|
| Relinquished by: Cotton Bickerstaff | Date: 4/15/21 | Time: | Received by: [Signature] | Date: 4/15/21 | Time: 1500 |
| Relinquished by:                    | Date:         | Time: | Received by:             | Date:         | Time:      |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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## Analysis Request of Chain of Custody Record

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4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946



Tetra Tech, Inc.

|                                                       |  |                                       |  |
|-------------------------------------------------------|--|---------------------------------------|--|
| Client Name: Solaris                                  |  | Site Manager: Brittany Long           |  |
| Project Name: Palmilla to State HU Line               |  |                                       |  |
| Project Location: Eddy County, NM                     |  | Project #: 212C-MD-02473              |  |
| Invoice to: Tetra Tech, Inc. Attention: Brittany Long |  |                                       |  |
| Receiving Laboratory: Eurofins Xenco                  |  | Sampler Signature: Cotton Bickerstaff |  |
| Comments: Standard TAT                                |  |                                       |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING  |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|--------------|----------------|
|                         |                       | DATE      | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                |
|                         | AH-28 (1'-1.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-28 (1.5'-2')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-28 (2'-2.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-28 (2.5'-3')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-28 (3'-3.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-28 (3.5'-4')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-29 (0'-6")         | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-29 (6'-12")        | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-29 (1'-1.5')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |
|                         | AH-29 (1.5'-2')       | 4/14/2021 |      | X      |      |                     |                  | X            |                |

|                                     |               |             |
|-------------------------------------|---------------|-------------|
| Relinquished by: Cotton Bickerstaff | Date: 4/15/21 | Time: 15:06 |
| Relinquished by:                    | Date:         | Time:       |
| Relinquished by:                    | Date:         | Time:       |

|              |       |       |
|--------------|-------|-------|
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |

|                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                                                                                                                                                                   | REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report | BTEX 8021B BTEX 8260B<br>TPH TX1005 (Ext to C35)<br>TPH 8015M (GRO - DRO - ORO)<br>PAH 8270C<br>Total Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Metals Ag As Ba Cd Cr Pb Se Hg<br>TCLP Volatiles<br>TCLP Semi Volatiles<br>RCI<br>GC/MS Vol. 8260B / 624<br>GC/MS Semi. Vol. 8270C/625<br>PCB's 8082 / 608<br>NORM<br>PLM (Asbestos)<br>Chloride 300.0<br>Chloride Sulfate TDS<br>General Water Chemistry (see attached list)<br>Anion/Cation Balance<br>Asbestos<br>Hold |

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## Analysis Request of Chain of Custody Record

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**Tetra Tech, Inc.**

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

**Client Name:** Solaris

Site Manager:

Brittany Long

**Project Name:** Palmilla to State HU Line

**Project Location:**  
(county, state) Eddy County, NM

Project #:

212C-MD-02473

**Invoice to:**

**Tetra Tech, Inc. Attention: Brittany Long**

**Receiving Laboratory:**

Eurofins Xenco

**Sampler Signature:**

Colton Bickerstaff

**Comments:**

### Standard TAT

[illegible]

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**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

☐ 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 Chain of Custody Record



**Tetra Tech, Inc.**

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Page

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4/22/2021

[illegible]



## Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-1331-1  
SDG Number: Eddy County, NM**Login Number: 1331****List Number: 1****Creator: Phillips, Kerianna****List Source: Eurofins Midland**

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 89253

**CONDITIONS**

|                                                                                                |                                                           |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>SOLARIS WATER MIDSTREAM, LLC<br>907 Tradewinds Blvd, Suite B<br>Midland, TX 79706 | OGRID:<br>371643                                          |
|                                                                                                | Action Number:<br>89253                                   |
|                                                                                                | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                                                                                                                                             | Condition Date |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| jnobui     | Remediation Plan Approved with Conditions. Bottom and sidewall samples off pad excavate to 600 mg/kg chloride from 0-4 ft bgs. Please collect bottom and sidewall confirmation samples every 500 square feet. Please dispose excavated soils at an approved OCD facility. Backfill per 19.15.29 NMAC. | 3/14/2022      |