22 June, 2021

New Mexico Oil Conservation Division

1625 North French Drive

Santa Fe , New Mexico

RE: Closure Request

Chevron USA Inc.

UL – G, Section 09, Township 22S, Range 37E, County – Lea

Lat: 21.4083865, Long: -103.1656585

Incident # - nAPP2110950963

To Whom it may concern,

We are submitting this request for closure based on the activities below.

Activities were initiated to bring the impacted area into conformance with NMOCD requirements. For clarity and cross reference purposes, the following Closure Request offers a brief Overview, a Site Map showing impacted area, a Sampling Map, Depth to Groundwater, Photos of the Excavation Site, Lab Data with Chain of Custody, a brief Summary of Field Activities and Conclusion.

On 4-9-21 a third-party fire caused a poly flowline owned and operated by Chevron USA Inc. to melt and release 1.14 bbls of produced water to land.

On 4-15-21 Chevron made inquiries regarding the clean-up of the spill.

On 4-16-21 Chevron received a list of COAs from the NMOCD for the closure of the spill. Those are listed below.

1. Sample the flowline area near the poly pipe line – Please see the attached Soil Sampling document with sample locations and the attached analytical results with a sample date of 4-22-21, showing only one impacted area at 2PW Polyline with a TPH exceedance of 184 mg/kg.

2. Remediate only the affected area – Please see the attached picture of the remediated area approximately 30 feet long x 4 feet wide x 2 feet in depth. The analytical for the second sampling event on 6-3-21 is also attached showing no exceedances at the remediation site.
3. Determine the flow path of the fire – Please see attached Spill Map.

Based on projected groundwater elevation (~90-ft bgs) and as BTEX, Benzene, hydrocarbon and chloride concentrations are well below the standard thresholds for the upper most 4 feet, we would like to request closure be granted. No further action should be required at this site.

Questions, concerns and/or needs for additional information should be directed to Amy Barnhill at (432) 687-7108 or via e-mail at ABarnhill@chevron.com.

Thank you for your time and attention to the matter.

Amy Barnhill

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2110950963 |
| 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? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☑ 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)? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☑ 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? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☑ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☑ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☑ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☑ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☑ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☑ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2110950963 |
| 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: Amy Barnhill
Title: Water Specialist

Signature:
Date: 6-29-21

email: ABarnhill@chevron.com
Telephone: 432-687-7108

**OCD Only**

Received by:
Date:

Form C-141 State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2110950963 |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection).
☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 6-29-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

**OCD Only**

Received by: _____ Date: _____

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

Closure Approved by: Chad Hensley Date: 07/16/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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 | nAPP2110950963 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party: Chevron USA Inc | OGRID: 4323 |
| Contact Name: Amy Barnhill | Contact Telephone: 432-687-7108 |
| Contact email: ABarnhill@chevron.com | Incident # *(assigned by OCD)* nAPP2110950963 |
| Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706 | |

## Location of Release Source

Latitude 32.4083865 Longitude -103.1656585
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name: Brunson Argo SWD | Site Type: Oil |
| Date Release Discovered: 4-9-21 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| G | 09 | 22S | 37E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: Chevron*)

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ☐ Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| ☒ Produced Water | Volume Released (bbls) 1.14 bbls | Volume Recovered (bbls): 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Brush fire started from 3rd party electrical work. Spread to the Brunson Argo lease and melted two poly water transfer lines.

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☒ Yes ☐ No | If YES, for what reason(s) does the responsible party consider this a major release?<br>Small release caused by a fire |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>Yes, by Jessica Zemen to Mike Bratcher via phone | |

## Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amy Barnhill_____ Title: Water Specialist_____

Signature: _____ Date: 4-19-21_____

email: ABarnhill@chevron.com_____ Telephone: 432-687-7108

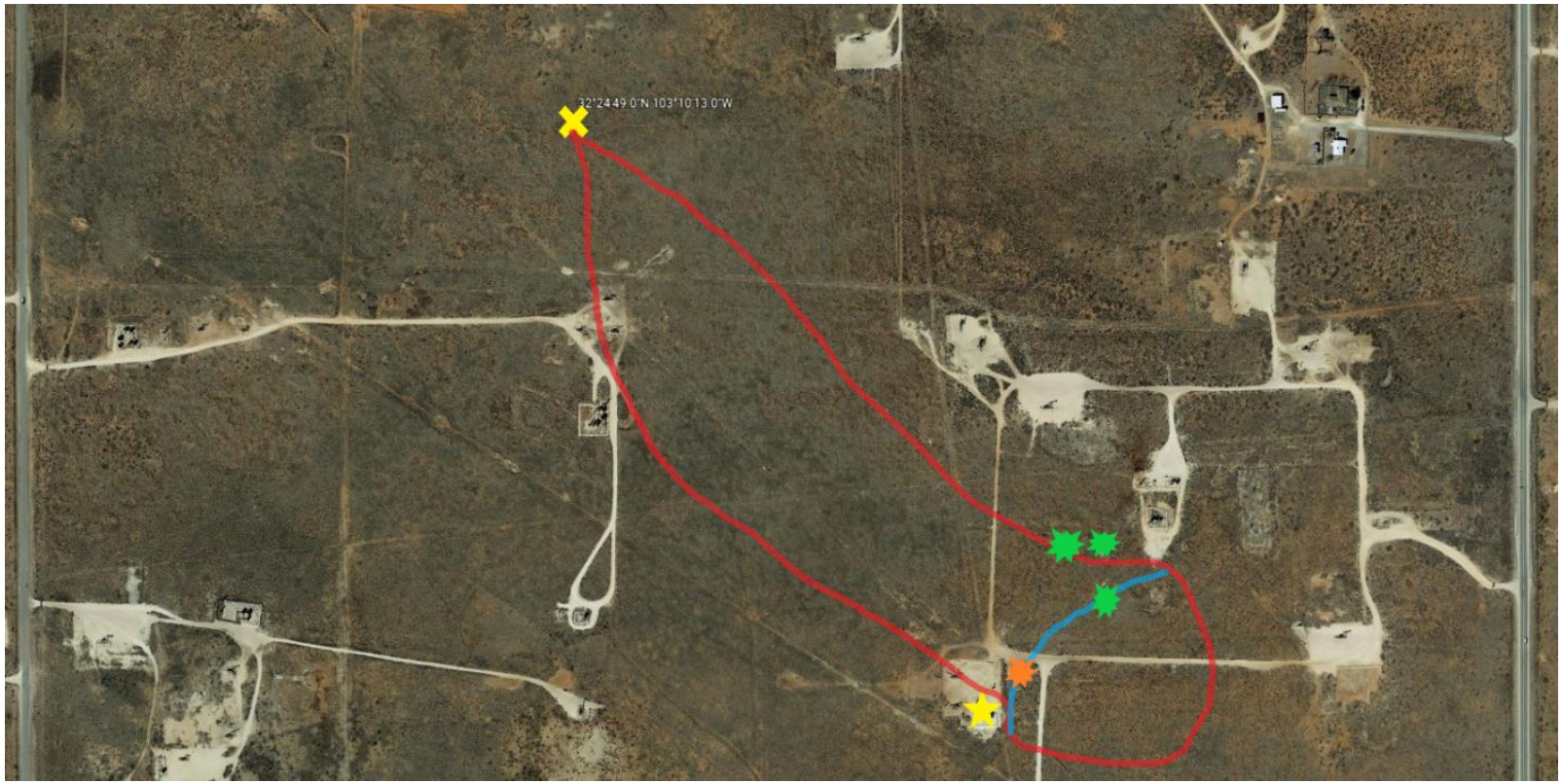
**OCD Only**

Received by: _____ Date: _____

# Spill Calculations

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0.00 | Fluid total | 1 inch | 0.0833 | Area | Standing Liquid | In Soil | dimensions / shape | Oil Volume | Water Volume |
| | | | 0.00 | Oil volume | 2 inches | 0.1667 | 1 | | x | 300' of 2" poly | | 1.07 |
| | | | 0.00 | Water Volume | 3 inches | 0.2500 | 2 | | x | 10' of 3" poly | | 0.07 |
| | | | | | 4 inches | 0.3333 | 3 | | | | | |
| **Triangular spill** | | | | | 5 inches | 0.4167 | 4 | | | | | |
| **All dimensions in feet !** | | | | | 6 inches | 0.5000 | 5 | | | | | |
| Length | Width | Depth | Total Volume of Fluid in barrels | | 7 inches | 0.5833 | 6 | | | | | |
| | | | 0.00 | Fluid total | 8 inches | 0.6667 | 7 | | | | | |
| | | | 0.00 | Oil volume | 9 inches | 0.7500 | 8 | | | | | |
| | | | 0.00 | Water Volume | 10 inches | 0.8333 | | | | | | |
| | | | | | 11 inches | 0.9167 | | | | Total Fluid | 0 | 1.14 |

Spill Map for Brunson Argo at Eunice, NM on 4/9/2021



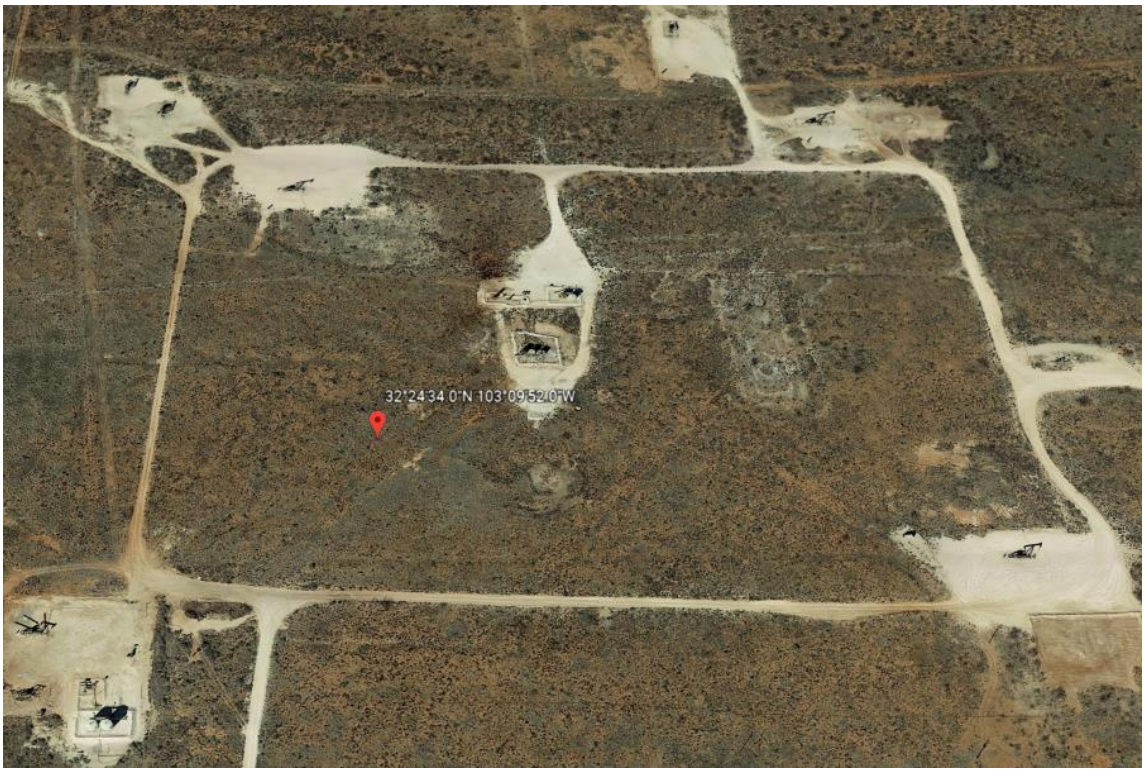

| Legend | |
|---|---|
| Yellow X | Start of Fire (32° 24'49"N, 103°10'13"W) |
| Red Boundary | Impact of Fire |
| Blue Boundary | Poly Line-PW Release |
| Yellow Star | Location of Chevron Well |
| Orange Multi-Point Star | Above threshold of contaminants (TPH) |
| Green Multi-Point Star | Below threshold of contaminants |

Eunice: Brunson Argo Soil Sample Locations 4/22/2021



| Sample ID | Location | Decrption |
|---|---|---|
| Pw 1-Polyline | 32° 24'34"N, 103°9'52"W | Sampld at area of poly line had a hole |
| 2-PW Polyline | 32° 24'31"N, 103°9'55"W | Sampled at area of poly line had a melted |
| 1-Background | 32° 24'35"N, 103°9'53"W | Background sample with no indication of fire or other activity |
| 1-B Fire | 32° 24'35"N, 103°9'53"W | Background sample with fire activity |

Sample Site 1: Pw 1-Polyline




Sample Site 2: 2-PW Polyline

Sample Site 3: 1-B Fire


Sample Site 4: 1-Background

eurofins | Environment Testing America

# ANALYTICAL REPORT

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

Laboratory Job ID: 880-1539-1
Laboratory Sample Delivery Group: NM
Client Project/Site: Eunice
Revision: 1

For:
Chevron USA Inc
1400 Smith Street
Houston, Texas 77002

Attn: Jessica Zemen

*Authorized for release by:*
*5/11/2021 8:54:20 PM*

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.com

Client: Chevron USA Inc
Project/Site: Eunice

Laboratory Job ID: 880-1539-1
SDG: NM

# Table of Contents

# Definitions/Glossary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| 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. |
|---|---|
| ¤ | 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 |

# Case Narrative

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Job ID: 880-1539-1

**Laboratory: Eurofins Xenco, Midland**

**Narrative**

**Job Narrative**
**880-1539-1**

**Receipt**
The samples were received on 4/22/2021 5:17 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 time was 1.5°C

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

**GC VOA**
Method 8021B: Surrogate recovery for the following sample was outside control limits: 2-PW Polyline (880-1539-4). Evidence of matrix 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**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: 1-B Fire

**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

## Lab Sample ID: 880-1539-1

**Matrix: Solid**

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Acenaphthylene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Benzo[a]anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Benzo[a]pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Benzo[b]fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Benzo[g,h,i]perylene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Benzo[k]fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Chrysene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Dibenz(a,h)anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Dibenzofuran | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Fluorene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Naphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Phenanthrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| 1-Methylnaphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| 1,1'-Biphenyl (Diphenyl) | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| 2-Methylnaphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *47* | | *30 - 115* | *04/23/21 16:15* | *04/27/21 19:37* | *1* |
| *Nitrobenzene-d5* | *41* | | *23 - 129* | *04/23/21 16:15* | *04/27/21 19:37* | *1* |
| *p-Terphenyl-d14* | *57* | | *18 - 137* | *04/23/21 16:15* | *04/27/21 19:37* | *1* |

### 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 | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| Toluene | <0.00200 | U F1 | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 17:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 17:17* | *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 | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:06 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:06 | 1 |
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:06 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: 1-B Fire

**Lab Sample ID: 880-1539-1**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 80 | | 70 - 130 | 04/23/21 13:47 | 04/26/21 13:06 | 1 |
| o-Terphenyl | 71 | | 70 - 130 | 04/23/21 13:47 | 04/26/21 13:06 | 1 |

## Client Sample ID: 1-Background

**Lab Sample ID: 880-1539-2**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Acenaphthylene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Benzo[a]anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Benzo[a]pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Benzo[b]fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Benzo[g,h,i]perylene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Benzo[k]fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Chrysene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Dibenz(a,h)anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Dibenzofuran | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Fluorene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Naphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Phenanthrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| 1-Methylnaphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| 1,1'-Biphenyl (Diphenyl) | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| 2-Methylnaphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 19:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 49 | | 30 - 115 | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| Nitrobenzene-d5 | 44 | | 23 - 129 | 04/23/21 16:15 | 04/27/21 19:57 | 1 |
| p-Terphenyl-d14 | 56 | | 18 - 137 | 04/23/21 16:15 | 04/27/21 19:57 | 1 |

### 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 | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:37 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 | 04/24/21 12:17 | 04/24/21 17:37 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | 04/24/21 12:17 | 04/24/21 17:37 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: 1-Background

**Lab Sample ID: 880-1539-2**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

### 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 | | 04/23/21 13:47 | 04/26/21 13:28 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:28 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:28 | 1 |
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 13:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 13:28* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 13:28* | *1* |

## Client Sample ID: PW-1 Polyline

**Lab Sample ID: 880-1539-3**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Acenaphthylene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Benzo[a]anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Benzo[a]pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Benzo[b]fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Benzo[g,h,i]perylene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Benzo[k]fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Chrysene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Dibenz(a,h)anthracene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Dibenzofuran | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Fluoranthene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Fluorene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Naphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Phenanthrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Pyrene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| 1-Methylnaphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| 1,1'-Biphenyl (Diphenyl) | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| 2-Methylnaphthalene | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.0666 | U | 0.0666 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *53* | | *30 - 115* | *04/23/21 16:15* | *04/27/21 20:17* | *1* |
| *Nitrobenzene-d5* | *46* | | *23 - 129* | *04/23/21 16:15* | *04/27/21 20:17* | *1* |
| *p-Terphenyl-d14* | *62* | | *18 - 137* | *04/23/21 16:15* | *04/27/21 20:17* | *1* |

### 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 | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: PW-1 Polyline

**Lab Sample ID: 880-1539-3**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 17:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 17:58* | *1* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 17:58* | *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 | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:10 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:10 | 1 |
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *124* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 14:10* | *1* |
| *o-Terphenyl* | *117* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 14:10* | *1* |

## Client Sample ID: 2-PW Polyline

**Lab Sample ID: 880-1539-4**
**Matrix: Solid**
**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Acenaphthylene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Benzo[a]anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Benzo[a]pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Benzo[b]fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Benzo[g,h,i]perylene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Benzo[k]fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Chrysene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Dibenz(a,h)anthracene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Dibenzofuran | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Fluoranthene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Fluorene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Naphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Phenanthrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Pyrene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| 1-Methylnaphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| 1,1'-Biphenyl (Diphenyl) | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| 2-Methylnaphthalene | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.0668 | U | 0.0668 | | mg/Kg | | 04/23/21 16:15 | 04/27/21 20:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *53* | | *30 - 115* | *04/23/21 16:15* | *04/27/21 20:38* | *1* |
| *Nitrobenzene-d5* | *48* | | *23 - 129* | *04/23/21 16:15* | *04/27/21 20:38* | *1* |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: 2-PW Polyline

**Date Collected: 04/22/21 09:43**
**Date Received: 04/22/21 17:17**

## Lab Sample ID: 880-1539-4

**Matrix: Solid**

### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *p-Terphenyl-d14* | *64* | | *18 - 137* | *04/23/21 16:15* | *04/27/21 20:38* | *1* |

### 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 | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 18:18 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 18:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 18:18* | *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** | **184** | | 49.8 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:31 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:31 | 1 |
| **Total TPH** | **184** | | 49.8 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 14:31 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *112* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 14:31* | *1* |
| *o-Terphenyl* | *110* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 14:31* | *1* |

# Surrogate Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | FBP | NBZ | TPHd14 |
| Lab Sample ID | Client Sample ID | (30-115) | (23-129) | (18-137) |
| 880-1539-1 | 1-B Fire | 47 | 41 | 57 |
| 880-1539-2 | 1-Background | 49 | 44 | 56 |
| 880-1539-3 | PW-1 Polyline | 53 | 46 | 62 |
| 880-1539-4 | 2-PW Polyline | 53 | 48 | 64 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

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

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-1539-1 | 1-B Fire | 104 | 104 |
| 880-1539-1 MS | 1-B Fire | 100 | 103 |
| 880-1539-1 MSD | 1-B Fire | 101 | 104 |
| 880-1539-2 | 1-Background | 114 | 97 |
| 880-1539-3 | PW-1 Polyline | 108 | 108 |
| 880-1539-4 | 2-PW Polyline | 115 | 95 |
| LCS 880-2278/1-A | Lab Control Sample | 98 | 104 |
| LCSD 880-2278/2-A | Lab Control Sample Dup | 99 | 104 |
| MB 880-2278/5-A | Method Blank | 98 | 102 |

**Surrogate Legend**

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) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-1539-1 | 1-B Fire | 80 | 71 |
| 880-1539-2 | 1-Background | 100 | 89 |
| 880-1539-3 | PW-1 Polyline | 124 | 117 |
| 880-1539-4 | 2-PW Polyline | 112 | 110 |
| LCS 880-2228/2-A | Lab Control Sample | 111 | 102 |
| LCSD 880-2228/3-A | Lab Control Sample Dup | 103 | 98 |
| MB 880-2228/1-A | Method Blank | 111 | 115 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

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

**Lab Sample ID: MB 880-2278/5-A**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | 04/24/21 12:17 | 04/24/21 16:48 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 16:48* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *04/24/21 12:17* | *04/24/21 16:48* | *1* |

**Lab Sample ID: LCS 880-2278/1-A**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09172 | | mg/Kg | | 92 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09493 | | mg/Kg | | 95 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1003 | | mg/Kg | | 100 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2034 | | mg/Kg | | 102 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.09964 | | mg/Kg | | 100 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: LCSD 880-2278/2-A**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09080 | | mg/Kg | | 91 | 70 - 130 | 1 | 35 |
| Toluene | | | 0.100 | 0.09385 | | mg/Kg | | 94 | 70 - 130 | 1 | 35 |
| Ethylbenzene | | | 0.100 | 0.09846 | | mg/Kg | | 98 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2009 | | mg/Kg | | 100 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.09914 | | mg/Kg | | 99 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: 880-1539-1 MS**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: 1-B Fire**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.101 | 0.08003 | | mg/Kg | | 80 | 70 - 130 | | |

# QC Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

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

**Lab Sample ID: 880-1539-1 MS**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: 1-B Fire**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | <0.00200 | U F1 | 0.101 | 0.07518 | | mg/Kg | | 75 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.101 | 0.08024 | | mg/Kg | | 80 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.201 | 0.1577 | | mg/Kg | | 78 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.101 | 0.08224 | | mg/Kg | | 82 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: 880-1539-1 MSD**
**Matrix: Solid**
**Analysis Batch: 2279**

**Client Sample ID: 1-B Fire**
**Prep Type: Total/NA**
**Prep Batch: 2278**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.07448 | | mg/Kg | | 75 | 70 - 130 | 7 | 35 |
| Toluene | <0.00200 | U F1 | 0.0998 | 0.06926 | F1 | mg/Kg | | 69 | 70 - 130 | 8 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.07258 | | mg/Kg | | 73 | 70 - 130 | 10 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1436 | | mg/Kg | | 72 | 70 - 130 | 9 | 35 |
| o-Xylene | <0.00200 | U | 0.0998 | 0.07425 | | mg/Kg | | 74 | 70 - 130 | 10 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

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

**Lab Sample ID: MB 880-2228/1-A**
**Matrix: Solid**
**Analysis Batch: 2306**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 2228**

| 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 | | 04/23/21 13:47 | 04/26/21 08:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 08:31 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 08:31 | 1 |
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | 04/23/21 13:47 | 04/26/21 08:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 08:31* | *1* |
| *o-Terphenyl* | *115* | | *70 - 130* | *04/23/21 13:47* | *04/26/21 08:31* | *1* |

**Lab Sample ID: LCS 880-2228/2-A**
**Matrix: Solid**
**Analysis Batch: 2306**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 2228**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1174 | | mg/Kg | | 117 | 70 - 130 |

# QC Sample Results

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

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

**Lab Sample ID: LCS 880-2228/2-A**
**Matrix: Solid**
**Analysis Batch: 2306**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 2228**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* |
| *o-Terphenyl* | *102* | | *70 - 130* |

**Lab Sample ID: LCSD 880-2228/3-A**
**Matrix: Solid**
**Analysis Batch: 2306**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 2228**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1125 | | mg/Kg | | 112 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1013 | | mg/Kg | | 101 | 70 - 130 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* |
| *o-Terphenyl* | *98* | | *70 - 130* |

# QC Association Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## GC/MS Semi VOA

### Prep Batch: 4990

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 3546 | |
| 880-1539-2 | 1-Background | Total/NA | Solid | 3546 | |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 3546 | |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 3546 | |

### Analysis Batch: 5294

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 8270D | 4990 |
| 880-1539-2 | 1-Background | Total/NA | Solid | 8270D | 4990 |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 8270D | 4990 |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 8270D | 4990 |

## GC VOA

### Prep Batch: 2278

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 5035 | |
| 880-1539-2 | 1-Background | Total/NA | Solid | 5035 | |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 5035 | |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 5035 | |
| MB 880-2278/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-2278/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-2278/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-1539-1 MS | 1-B Fire | Total/NA | Solid | 5035 | |
| 880-1539-1 MSD | 1-B Fire | Total/NA | Solid | 5035 | |

### Analysis Batch: 2279

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 8021B | 2278 |
| 880-1539-2 | 1-Background | Total/NA | Solid | 8021B | 2278 |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 8021B | 2278 |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 8021B | 2278 |
| MB 880-2278/5-A | Method Blank | Total/NA | Solid | 8021B | 2278 |
| LCS 880-2278/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 2278 |
| LCSD 880-2278/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 2278 |
| 880-1539-1 MS | 1-B Fire | Total/NA | Solid | 8021B | 2278 |
| 880-1539-1 MSD | 1-B Fire | Total/NA | Solid | 8021B | 2278 |

## GC Semi VOA

### Prep Batch: 2228

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 8015NM Prep | |
| 880-1539-2 | 1-Background | Total/NA | Solid | 8015NM Prep | |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 8015NM Prep | |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 8015NM Prep | |
| MB 880-2228/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-2228/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-2228/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## GC Semi VOA

### Analysis Batch: 2306

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Total/NA | Solid | 8015B NM | 2228 |
| 880-1539-2 | 1-Background | Total/NA | Solid | 8015B NM | 2228 |
| 880-1539-3 | PW-1 Polyline | Total/NA | Solid | 8015B NM | 2228 |
| 880-1539-4 | 2-PW Polyline | Total/NA | Solid | 8015B NM | 2228 |
| MB 880-2228/1-A | Method Blank | Total/NA | Solid | 8015B NM | 2228 |
| LCS 880-2228/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 2228 |
| LCSD 880-2228/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 2228 |

# Lab Chronicle

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

## Client Sample ID: 1-B Fire — Lab Sample ID: 880-1539-1

**Date Collected: 04/22/21 09:43** — **Matrix: Solid**
**Date Received: 04/22/21 17:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3546 | | | 4990 | 04/23/21 16:15 | JN | XS |
| Total/NA | Analysis | 8270D | | 1 | 5294 | 04/27/21 19:37 | PXS | XS |
| Total/NA | Prep | 5035 | | | 2278 | 04/24/21 12:17 | KL | XM |
| Total/NA | Analysis | 8021B | | 1 | 2279 | 04/24/21 17:17 | KL | XM |
| Total/NA | Prep | 8015NM Prep | | | 2228 | 04/23/21 13:47 | DM | XM |
| Total/NA | Analysis | 8015B NM | | 1 | 2306 | 04/26/21 13:06 | AJ | XM |

## Client Sample ID: 1-Background — Lab Sample ID: 880-1539-2

**Date Collected: 04/22/21 09:43** — **Matrix: Solid**
**Date Received: 04/22/21 17:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3546 | | | 4990 | 04/23/21 16:15 | JN | XS |
| Total/NA | Analysis | 8270D | | 1 | 5294 | 04/27/21 19:57 | PXS | XS |
| Total/NA | Prep | 5035 | | | 2278 | 04/24/21 12:17 | KL | XM |
| Total/NA | Analysis | 8021B | | 1 | 2279 | 04/24/21 17:37 | KL | XM |
| Total/NA | Prep | 8015NM Prep | | | 2228 | 04/23/21 13:47 | DM | XM |
| Total/NA | Analysis | 8015B NM | | 1 | 2306 | 04/26/21 13:28 | AJ | XM |

## Client Sample ID: PW-1 Polyline — Lab Sample ID: 880-1539-3

**Date Collected: 04/22/21 09:43** — **Matrix: Solid**
**Date Received: 04/22/21 17:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3546 | | | 4990 | 04/23/21 16:15 | JN | XS |
| Total/NA | Analysis | 8270D | | 1 | 5294 | 04/27/21 20:17 | PXS | XS |
| Total/NA | Prep | 5035 | | | 2278 | 04/24/21 12:17 | KL | XM |
| Total/NA | Analysis | 8021B | | 1 | 2279 | 04/24/21 17:58 | KL | XM |
| Total/NA | Prep | 8015NM Prep | | | 2228 | 04/23/21 13:47 | DM | XM |
| Total/NA | Analysis | 8015B NM | | 1 | 2306 | 04/26/21 14:10 | AJ | XM |

## Client Sample ID: 2-PW Polyline — Lab Sample ID: 880-1539-4

**Date Collected: 04/22/21 09:43** — **Matrix: Solid**
**Date Received: 04/22/21 17:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3546 | | | 4990 | 04/23/21 16:15 | JN | XS |
| Total/NA | Analysis | 8270D | | 1 | 5294 | 04/27/21 20:38 | PXS | XS |
| Total/NA | Prep | 5035 | | | 2278 | 04/24/21 12:17 | KL | XM |
| Total/NA | Analysis | 8021B | | 1 | 2279 | 04/24/21 18:18 | KL | XM |
| Total/NA | Prep | 8015NM Prep | | | 2228 | 04/23/21 13:47 | DM | XM |
| Total/NA | Analysis | 8015B NM | | 1 | 2306 | 04/26/21 14:31 | AJ | XM |

**Laboratory References:**

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

XS = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Xenco, Midland

# Accreditation/Certification Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: 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 |

## Laboratory: Eurofins Xenco, Stafford

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 20-025-0 | 08-04-21 |
| Florida | NELAP | E871002 | 06-30-21 |
| Louisiana | NELAP | 03054 | 06-30-21 |
| North Carolina (WW/SW) | State | 681 | 12-31-21 |
| Oklahoma | State | 1306 | 08-31-21 |
| Texas | NELAP | T104704215-21-39 | 06-30-21 |

# Method Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | XS |
| 8021B | Volatile Organic Compounds (GC) | SW846 | XM |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XM |
| 3546 | Microwave Extraction | SW846 | XS |
| 5035 | Closed System Purge and Trap | SW846 | XM |
| 8015NM Prep | Microextraction | SW846 | XM |

**Protocol References:**

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

XS = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Sample Summary

Client: Chevron USA Inc
Project/Site: Eunice

Job ID: 880-1539-1
SDG: NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 880-1539-1 | 1-B Fire | Solid | 04/22/21 09:43 | 04/22/21 17:17 | |
| 880-1539-2 | 1-Background | Solid | 04/22/21 09:43 | 04/22/21 17:17 | |
| 880-1539-3 | PW-1 Polyline | Solid | 04/22/21 09:43 | 04/22/21 17:17 | |
| 880-1539-4 | 2-PW Polyline | Solid | 04/22/21 09:43 | 04/22/21 17:17 | |

eurofins

Environment Testing
Xenco

880-1539 Chain of Custody

Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

# 880-1539

www.xenco.com Page _____ of _____

| | | | |
|---|---|---|---|
| Project Manager | Jessica Zemen | Bill to: (if different) | |
| Company Name | Chevron U S A. | Company Name | |
| Address. | 6301 Deauville Blvd | Address. | |
| City, State ZIP | Midland, TX 79706 | City, State ZIP | |
| Phone | 432-530-9187 | Email | jessicazemen@chevron.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

| | | | |
|---|---|---|---|
| Project Name: | Eunice | Turn Around | |
| Project Number | | ☒ Routine ☐ Rush | |
| Project Location | | Due Date | |
| Sampler's Name: | [redacted] | TAT starts the day received by the lab if received by 4 30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank. | Yes (No) | Wet Ice: | (Yes) No | |
| Samples Received Intact: | (Yes) No | Thermometer ID | | |
| Cooler Custody Seals. | Yes (No) N/A | Correction Factor | | |
| Sample Custody Seals. | Yes (No) N/A | Temperature Reading | 1.0 °C | |
| Total Containers. | | Corrected Temperature. | | |

**Preservative Codes**

None NO; DI Water $H_2O$; Cool Cool; MeOH Me; HCL HC; $HNO_3$. HN; $H_2S0_4$ $H_2$; NaOH Na; $H_3PO_4$ HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | BTEX | TPH | PAH |
|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] Well | S | 4/21/21 | | Surface | G | 1 | | X | X | X |
| [redacted] Bench | S | 4/21/21 | | Surface | G | 1 | | X | X | X |
| 1-B Fire | S | 4/22/21 | 9 43 | Surface | G | 1 | | X | X | X |
| 1-Background | S | 4/22/21 | 9 43 | Surface | G | 1 | | X | X | X |
| PW-1 Polyline | S | 4/22/21 | 9:43 | Surface | G | 1 | | X | X | X |
| 2-PW Polyline | S | 4/22/21 | 9:43 | Surface | G | 1 | | X | X | X |

OK 4/22/2021

**Sample Comments**

New Mexico

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag $SiO_2$ Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471



| | Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | Jessica Zemen | Bill Rhoades | 4-22-21 17:17 | 2 | | |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date: 08/25/2020 Rev 2020.2

# Login Sample Receipt Checklist

Client: Chevron USA Inc

Job Number: 880-1539-1
SDG Number: NM

**Login Number: 1539**
**List Number: 1**
**Creator: Teel, Brianna**

**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. | N/A | |
| 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 | |

# Login Sample Receipt Checklist

Client: Chevron USA Inc

Job Number: 880-1539-1
SDG Number: NM

**Login Number: 1539**
**List Number: 2**
**Creator: Edralin, Jhyrom**

**List Source: Eurofins Stafford**
**List Creation: 04/24/21 12:01 PM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| 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? | N/A | |
| 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"). | True | |

*New Mexico Office of the State Engineer*

# Water Column/Average Depth to Water

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

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

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

| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00756 | | CP | LE | 2 | 2 | 4 | 09 | 22S | 37E | 672999 | 3586863* | 590 | 125 | 85 | 40 |
| CP 00422 | | CP | LE | 3 | 4 | 4 | 04 | 22S | 37E | 672777 | 3587870* | 738 | 130 | 92 | 38 |
| CP 00560 POD1 | | CP | LE | 2 | 1 | 1 | 09 | 22S | 37E | 671778 | 3587646* | 860 | 350 | | |
| CP 00871 | | CP | LE | | | 3 | 09 | 22S | 37E | 671902 | 3586541* | 880 | 167 | 94 | 73 |

Average Depth to Water: **90 feet**

Minimum Depth: **85 feet**

Maximum Depth: **94 feet**

**Record Count:** 4

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 672503.58 **Northing (Y):** 3587183.93 **Radius:** 1000

***UTM location was derived from PLSS - see Help**



6/22/21 9:34 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER


BRUNSON ARGO LEASE
E. O. CARSON
SALT WATER DISP STATION
LEA COUNTY NEW MEXICO
DANGER

eurofins | Environment Testing America

# ANALYTICAL REPORT

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

Laboratory Job ID: 880-2729-1
Client Project/Site: Eunice B.A. SWD

For:
Chevron USA Inc
15 Smith Road
Midland, Texas 79705

Attn: Amy Barnhill

*Authorized for release by:*
*6/11/2021 8:38:51 PM*

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.com



*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: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Laboratory Job ID: 880-2729-1

# Table of Contents

# Definitions/Glossary

Client: Chevron USA Inc Job ID: 880-2729-1
Project/Site: Eunice B.A. SWD

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| 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. |
|---|---|
| ¤ | 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 |

# Case Narrative

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Job ID: 880-2729-1

**Laboratory: Eurofins Xenco, Midland**

**Narrative**

**Job Narrative**
**880-2729-1**

**Receipt**
The samples were received on 6/4/2021 10:04 AM. 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 time was 3.5°C

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

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

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Lt Side 1-15

**Lab Sample ID: 880-2729-1**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | | 06/07/21 14:43 | 06/08/21 07:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:26 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:26 | 1 |
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 07:26* | *1* |
| *o-Terphenyl* | *83* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 07:26* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **34.0** | | 5.00 | | mg/Kg | | | 06/08/21 00:11 | 1 |

## Client Sample ID: Lt Side 15-30

**Lab Sample ID: 880-2729-2**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:46 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:46 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:46 | 1 |
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 07:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 07:46* | *1* |
| *o-Terphenyl* | *99* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 07:46* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **35.0** | | 4.96 | | mg/Kg | | | 06/08/21 00:16 | 1 |

## Client Sample ID: Front Wall

**Lab Sample ID: 880-2729-3**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | | 06/07/21 14:43 | 06/08/21 08:08 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:08 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:08 | 1 |
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:08 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Front Wall

**Lab Sample ID: 880-2729-3**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 79 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:08 | 1 |
| o-Terphenyl | 73 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:08 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 12.8 | | 5.04 | | mg/Kg | | | 06/08/21 00:20 | 1 |

## Client Sample ID: Back Wall

**Lab Sample ID: 880-2729-4**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

**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 | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:29 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:29 | 1 |
| OII Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:29 | 1 |
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 77 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:29 | 1 |
| o-Terphenyl | 70 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:29 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 143 | | 5.03 | | mg/Kg | | | 06/08/21 00:25 | 1 |

## Client Sample ID: Rt Side 1-15

**Lab Sample ID: 880-2729-5**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

**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 | | 06/07/21 14:43 | 06/08/21 08:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:50 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:50 | 1 |
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 08:50 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 85 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:50 | 1 |
| o-Terphenyl | 76 | | 70 - 130 | 06/07/21 14:43 | 06/08/21 08:50 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 29.3 | | 5.04 | | mg/Kg | | | 06/08/21 21:01 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Rt Side 15-30

**Lab Sample ID: 880-2729-6**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | | 06/07/21 14:43 | 06/08/21 09:11 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:11 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:11 | 1 |
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:11* | *1* |
| *o-Terphenyl* | *76* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:11* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **74.0** | | 5.02 | | mg/Kg | | | 06/08/21 21:06 | 1 |

## Client Sample ID: Bottom 1-15

**Lab Sample ID: 880-2729-7**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | | 06/07/21 14:43 | 06/08/21 09:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:32 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:32 | 1 |
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:32* | *1* |
| *o-Terphenyl* | *91* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:32* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **19.8** | | 4.98 | | mg/Kg | | | 06/08/21 21:11 | 1 |

## Client Sample ID: Bottom 15-30

**Lab Sample ID: 880-2729-8**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

### 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 | | 06/07/21 14:43 | 06/08/21 09:59 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:59 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:59 | 1 |
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | 06/07/21 14:43 | 06/08/21 09:59 | 1 |

# Client Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Bottom 15-30

**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**
**Sample Depth: 6"**

## Lab Sample ID: 880-2729-8

**Matrix: Solid**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:59* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *06/07/21 14:43* | *06/08/21 09:59* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **444** | | 4.95 | | mg/Kg | | | 06/08/21 21:16 | 1 |

# Surrogate Summary

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

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

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO1 | OTPH1 | | | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | | | |
| 880-2729-1 | Lt Side 1-15 | 89 | 83 | | | | | | | | | | |
| 880-2729-2 | Lt Side 15-30 | 104 | 99 | | | | | | | | | | |
| 880-2729-3 | Front Wall | 79 | 73 | | | | | | | | | | |
| 880-2729-4 | Back Wall | 77 | 70 | | | | | | | | | | |
| 880-2729-5 | Rt Side 1-15 | 85 | 76 | | | | | | | | | | |
| 880-2729-6 | Rt Side 15-30 | 82 | 76 | | | | | | | | | | |
| 880-2729-7 | Bottom 1-15 | 98 | 91 | | | | | | | | | | |
| 880-2729-8 | Bottom 15-30 | 91 | 86 | | | | | | | | | | |
| LCS 880-3863/2-A | Lab Control Sample | 97 | 87 | | | | | | | | | | |
| LCSD 880-3863/3-A | Lab Control Sample Dup | 99 | 92 | | | | | | | | | | |
| MB 880-3863/1-A | Method Blank | 120 | 116 | | | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

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

**Lab Sample ID: MB 880-3863/1-A**
**Matrix: Solid**
**Analysis Batch: 3855**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 3863**

| 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 | | 06/07/21 14:43 | 06/07/21 21:40 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/07/21 21:40 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/07/21 21:40 | 1 |
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | 06/07/21 14:43 | 06/07/21 21:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *120* | | *70 - 130* | *06/07/21 14:43* | *06/07/21 21:40* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *06/07/21 14:43* | *06/07/21 21:40* | *1* |

**Lab Sample ID: LCS 880-3863/2-A**
**Matrix: Solid**
**Analysis Batch: 3855**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 3863**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 809.9 | | mg/Kg | | 81 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 946.9 | | mg/Kg | | 95 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *97* | | *70 - 130* |
| *o-Terphenyl* | *87* | | *70 - 130* |

**Lab Sample ID: LCSD 880-3863/3-A**
**Matrix: Solid**
**Analysis Batch: 3855**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 3863**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 879.0 | | mg/Kg | | 88 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 992.3 | | mg/Kg | | 99 | 70 - 130 | 5 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* |
| *o-Terphenyl* | *92* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-3797/1-A**
**Matrix: Solid**
**Analysis Batch: 3858**

**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 | | | 06/07/21 21:59 | 1 |

# QC Sample Results

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 880-3797/2-A**
**Matrix: Solid**
**Analysis Batch: 3858**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 256.5 | | mg/Kg | | 103 | 90 - 110 |

**Lab Sample ID: LCSD 880-3797/3-A**
**Matrix: Solid**
**Analysis Batch: 3858**

**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 | 256.9 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-3840/1-A**
**Matrix: Solid**
**Analysis Batch: 3889**

**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 | | | 06/08/21 20:32 | 1 |

**Lab Sample ID: LCS 880-3840/2-A**
**Matrix: Solid**
**Analysis Batch: 3889**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 256.5 | | mg/Kg | | 103 | 90 - 110 |

**Lab Sample ID: LCSD 880-3840/3-A**
**Matrix: Solid**
**Analysis Batch: 3889**

**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 | 256.8 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## GC Semi VOA

### Analysis Batch: 3855

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-1 | Lt Side 1-15 | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-2 | Lt Side 15-30 | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-3 | Front Wall | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-4 | Back Wall | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-5 | Rt Side 1-15 | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-6 | Rt Side 15-30 | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-7 | Bottom 1-15 | Total/NA | Solid | 8015B NM | 3863 |
| 880-2729-8 | Bottom 15-30 | Total/NA | Solid | 8015B NM | 3863 |
| MB 880-3863/1-A | Method Blank | Total/NA | Solid | 8015B NM | 3863 |
| LCS 880-3863/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 3863 |
| LCSD 880-3863/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 3863 |

### Prep Batch: 3863

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-1 | Lt Side 1-15 | Total/NA | Solid | 8015NM Prep | |
| 880-2729-2 | Lt Side 15-30 | Total/NA | Solid | 8015NM Prep | |
| 880-2729-3 | Front Wall | Total/NA | Solid | 8015NM Prep | |
| 880-2729-4 | Back Wall | Total/NA | Solid | 8015NM Prep | |
| 880-2729-5 | Rt Side 1-15 | Total/NA | Solid | 8015NM Prep | |
| 880-2729-6 | Rt Side 15-30 | Total/NA | Solid | 8015NM Prep | |
| 880-2729-7 | Bottom 1-15 | Total/NA | Solid | 8015NM Prep | |
| 880-2729-8 | Bottom 15-30 | Total/NA | Solid | 8015NM Prep | |
| MB 880-3863/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-3863/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-3863/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

## HPLC/IC

### Leach Batch: 3797

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-1 | Lt Side 1-15 | Soluble | Solid | DI Leach | |
| 880-2729-2 | Lt Side 15-30 | Soluble | Solid | DI Leach | |
| 880-2729-3 | Front Wall | Soluble | Solid | DI Leach | |
| 880-2729-4 | Back Wall | Soluble | Solid | DI Leach | |
| MB 880-3797/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-3797/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-3797/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

### Leach Batch: 3840

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-5 | Rt Side 1-15 | Soluble | Solid | DI Leach | |
| 880-2729-6 | Rt Side 15-30 | Soluble | Solid | DI Leach | |
| 880-2729-7 | Bottom 1-15 | Soluble | Solid | DI Leach | |
| 880-2729-8 | Bottom 15-30 | Soluble | Solid | DI Leach | |
| MB 880-3840/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-3840/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-3840/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

### Analysis Batch: 3858

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-1 | Lt Side 1-15 | Soluble | Solid | 300.0 | 3797 |

# QC Association Summary

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## HPLC/IC (Continued)

### Analysis Batch: 3858 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-2 | Lt Side 15-30 | Soluble | Solid | 300.0 | 3797 |
| 880-2729-3 | Front Wall | Soluble | Solid | 300.0 | 3797 |
| 880-2729-4 | Back Wall | Soluble | Solid | 300.0 | 3797 |
| MB 880-3797/1-A | Method Blank | Soluble | Solid | 300.0 | 3797 |
| LCS 880-3797/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 3797 |
| LCSD 880-3797/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 3797 |

### Analysis Batch: 3889

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-2729-5 | Rt Side 1-15 | Soluble | Solid | 300.0 | 3840 |
| 880-2729-6 | Rt Side 15-30 | Soluble | Solid | 300.0 | 3840 |
| 880-2729-7 | Bottom 1-15 | Soluble | Solid | 300.0 | 3840 |
| 880-2729-8 | Bottom 15-30 | Soluble | Solid | 300.0 | 3840 |
| MB 880-3840/1-A | Method Blank | Soluble | Solid | 300.0 | 3840 |
| LCS 880-3840/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 3840 |
| LCSD 880-3840/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 3840 |

# Lab Chronicle

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Lt Side 1-15

**Lab Sample ID: 880-2729-1**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 07:26 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 3797 | 06/04/21 11:02 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3858 | 06/08/21 00:11 | CH | XEN MID |

## Client Sample ID: Lt Side 15-30

**Lab Sample ID: 880-2729-2**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 07:46 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 3797 | 06/04/21 11:02 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3858 | 06/08/21 00:16 | CH | XEN MID |

## Client Sample ID: Front Wall

**Lab Sample ID: 880-2729-3**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 08:08 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 3797 | 06/04/21 11:02 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3858 | 06/08/21 00:20 | CH | XEN MID |

## Client Sample ID: Back Wall

**Lab Sample ID: 880-2729-4**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 08:29 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 3797 | 06/04/21 11:02 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3858 | 06/08/21 00:25 | CH | XEN MID |

## Client Sample ID: Rt Side 1-15

**Lab Sample ID: 880-2729-5**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 08:50 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 3840 | 06/07/21 10:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3889 | 06/08/21 21:01 | CH | XEN MID |

# Lab Chronicle

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

## Client Sample ID: Rt Side 15-30

**Lab Sample ID: 880-2729-6**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 09:11 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 3840 | 06/07/21 10:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3889 | 06/08/21 21:06 | CH | XEN MID |

## Client Sample ID: Bottom 1-15

**Lab Sample ID: 880-2729-7**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 09:32 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 3840 | 06/07/21 10:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3889 | 06/08/21 21:11 | CH | XEN MID |

## Client Sample ID: Bottom 15-30

**Lab Sample ID: 880-2729-8**
**Matrix: Solid**
**Date Collected: 06/03/21 14:00**
**Date Received: 06/04/21 10:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 3863 | 06/07/21 14:43 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | | | 3855 | 06/08/21 09:59 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 3840 | 06/07/21 10:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 3889 | 06/08/21 21:16 | CH | XEN MID |

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: Chevron USA Inc
Job ID: 880-2729-1
Project/Site: Eunice B.A. SWD

## 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 |

# Method Summary

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 8015NM Prep | Microextraction | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |

**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:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: Chevron USA Inc
Project/Site: Eunice B.A. SWD

Job ID: 880-2729-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---|---|---|---|---|---|
| 880-2729-1 | Lt Side 1-15 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-2 | Lt Side 15-30 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-3 | Front Wall | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-4 | Back Wall | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-5 | Rt Side 1-15 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-6 | Rt Side 15-30 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-7 | Bottom 1-15 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |
| 880-2729-8 | Bottom 15-30 | Solid | 06/03/21 14:00 | 06/04/21 10:04 | 6" |

eurofins | Environment Testing Xenco

# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-
Midland, TX (432) 704-5440 San Antonio, TX (210) 5
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-
Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199

880-2729 Chain of Custody

2729

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| | | | |
|---|---|---|---|
| Project Manager | Amy Barnhill | Bill to (if different) | |
| Company Name | Chevron | Company Name | |
| Address | Eunice | Address | |
| City State ZIP | | City State ZIP | |
| Phone | 432-940-8524 | Email | ABArnhill@Chevron.com |

**Work Order Comments**

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name | ~~Eunice~~ B.A. SWD | Turn Around | ☑ Routine ☐ Rush |
| Project Number | | Due Date | |
| Project Location | | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name | Amy Barnhill | | |
| PO # | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank. | Yes (No) | Wet Ice | Yes (No) |
| Samples Received Intact | (Yes) No | Thermometer ID | IR8 |
| Cooler Custody Seals | Yes No (N/A) | Correction Factor | +0.5 |
| Sample Custody Seals. | Yes No (N/A) | Temperature Reading | 3.0 |
| Total Containers: | | Corrected Temperature | 3.5 |

**Preservative Codes**

None NO DI Water $H_2O$
Cool Cool MeOH Me
HCL HC $HNO_3$ HN
$H_2SO_4$ $H_2$ NaOH Na
$H_3PO_4$ HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Chloride | TPH 8015M |
|---|---|---|---|---|---|---|---|---|
| Lt side 1-15 | Soil | 6-3-21 | 2:00pm | 6" | | | ✓ | ✓ |
| Lt side 15-30 | " | 6-3-21 | " | " | | | | |
| Front Wall | " | " | " | " | | | | |
| BACK wall | Soil | 6-3-21 | 2pm | | | | | |
| Rt side 1-15 | " | " | " | | | | | |
| Rt side 15-30 | " | " | " | | | | | |
| Bottom 1-15 | Soil | 6-3-21 | 2pm | ↓ | | | | |
| Bottom 15-30 | " | " | " | | | | | |

**Sample Comments**

Send results/invoice to

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag $SiO_2$ Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 6/4/21 0940 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

# Login Sample Receipt Checklist

Client: Chevron USA Inc

Job Number: 880-2729-1

**Login Number: 2729**
**List Number: 1**
**Creator: Phillips, Kerianna**

**List Source: Eurofins Xenco, 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 34255

## CONDITIONS

| | |
|---|---|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323 |
| | Action Number:<br>34255 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| chensley | None | 7/16/2021 |