

**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**

QUESTIONS

Action 140421

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 140421
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all of the questions in this group.</i>	
Site Name	20220826-0245-water Sunoco Booster Pump
Date Release Discovered	08/26/2022
Surface Owner	Private

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 23 BBL   Recovered: 10 BBL   Lost: 13 BBL ]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

**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

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 140421
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by 19.15.29.7(A) NMAC	<b>No, minor release.</b>
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, to whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, when	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	<i>Not answered.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

*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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

**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**

ACKNOWLEDGMENTS

Action 140421

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 140421
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

**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 140421

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 140421
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/2/2022

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	nAPP2224534981
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Ameredev Operating, LLC	OGRID: 372224
Contact Name: Shane M <sup>c</sup> Neely	Contact Telephone: (737) 300-4700
Contact email: smcneely@ameredev.com	Incident # (assigned by OCD) nAPP2224534981
Contact mailing address: 2901 Via Fortuna, Suite 600 Austin, Texas 78746	

### Location of Release Source

Latitude 32.1509255 \_\_\_\_\_ Longitude -103.2813371 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name 20220826-0245-water Sunoco Booster Pump	Site Type Pipeline Riser along ROW
Date Release Discovered 08/26/2022 @ 02:45am	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	8	25S	36E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: Intrepid Potash)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 22.9	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Valve/gasket failure on diesel booster pump

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2224534981
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Andrew Parker</u> Title: <u>Env. Scientist</u> Signature: <u></u> Date: <u>09/02/2022</u> email: <u>aparker@amerev.com</u> Telephone: <u>970-570-9535</u>
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>12/27/2022</u>

Spill Dimensions to Volume of Release			
<b>Input</b>	<b>volume of affected soil</b>	<b>[feet^3]</b>	<b>3680.83</b>
<b>Input</b>	Porosity: typically is .35 to .40 for most soils	[ - ]	0.35
<b>Input</b>	Proportion of porosity filled with release fluid [0,1]	[ - ]	0.10
<b>Output</b>	volume of fluid	[feet^3]	<b>128.8</b>
		[gal]	<b>963.7</b>
	Barrels	22.9	Recovered
			Net
			10
			12.9

From GIS	
Sq. Ft	8834
Depth (ft)	0.416667
Cu. Ft	3680.833

Incident ID	nAPP2224534981
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? <b><u>Plate 2</u></b>	___>100___ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <b><u>Plate 5</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <b><u>Plate 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <b><u>Plate 7</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <b><u>Plate 8</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <b><u>Plate 9</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data.
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody.

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2224534981
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: Andrew Parker

Title: Env. Scientist

Signature: 

Date: December 27, 2022

email: aparker@amerede.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon

Date: 12/27/2022

Incident ID	nAPP2224534981
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

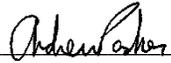
**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

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

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

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: December 27, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon Date: 12/27/2022

- Approved
  Approved with Attached Conditions of Approval
  Denied
  Deferral Approved

Signature: 

Date: 01/23/2023



Ameredeve II, LLC

2901 Via Fortuna Suite 600 • Austin, Texas 78746 • Phone (737) 300-4700

December 27, 2022

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

RE: Deferral Request  
Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

NMOCD:

Ameredeve Operating submits this deferral request for incident number nAPP2224534981. We respectfully ask NMOCD for

1. Remediation deferral around production equipment and utilities within the right-of-way (ROW).
2. Deferral for areas on-site currently being used for oil and gas operations.
3. Ameredeve has completed remediation and restoration for areas off-site, within the right-of-way, to meet regulatory closure criteria.

The release occurred on August 26, 2022 from the failure of a valve/gasket on the diesel booster pump. The release flowed along a pipeline right-of-way (ROW) used for oil and gas operations, then onto an active production site. The release is located on Fee surface. The release did not impact surface or groundwater. The calculated volume of released produced water was 22.9 barrels with 10 barrels recovered.

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

## Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the C-141 characterization checklist for additional setback criteria and verification (Plates 2-9).

### 1.1. Site Map

Plate 1 shows the release extent relative to the production site, production facilities, ROW and nearby utilities. The source of the release is located at 32.1509255, -103.2813371 (Lat, Long; NAD83). Horizontal extent of the release was determined by visual observations. The release extent was mapped utilizing GPS technology with sub-meter accuracy. The release extent covered an area of approximately 8,722 sq. ft.

This release occurred within the same extent as Incident ID nAPP2213130408 (May 2022), sharing the same source point and partial release extent overlap. The overlap extent area is further discussed in Section 3: Deferral Request, below. The approved deferred area from the May 2022 incident is shown on Plate 12.

Figure 1 shows the source of the release. Figure 2 shows the release along the ROW.



**Figure 1: Photo of source point, photo left. Release flowed north along the ROW and onto the production site at the tank battery. 08/26/2022. 103.2813337°W 32.1509260°N**

Incident ID: nAPP2224534981

Sunoco Booster Pump

AEP #: 20220826-0245-water



**Figure 2: Photo of release extent along ROW and west edge of production site. Flow path toward the tank battery is visible at photo right foreground. 08/27/2022. 32.1510503 N, 103.2812122 W.**

### **1.2. Depth to Ground Water**

To determine depth-to-water within ½-mile of the release extent, Ameredev Operating began a depth-to-water borehole program mid-September 2022. The depth-to-water program:

- Boreholes will be located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- Drilled to a depth of approximately 105-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

The depth to water borehole nearest to the release area is mapped on Plate 2:

1. MISC-407 (CP-1918 POD 1) is located 0.29-miles east. Depth of the water well is >101-feet, no water was encountered; borehole has been plugged. The Well Log is presented in Appendix B.

### **1.3. Wellhead Protection Area**

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs).
- Not 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
- Not within 1000 feet of any other fresh water well or spring.

### **1.4. Distance to Nearest Significant Water Course**

Plate 4 shows that the release extent is:

- Not within ½ mile of any significant water course.

12/27/2022

Released to Imaging: 1/23/2023 1:17:56 PM



Ameredev II, LLC

Incident ID: nAPP2224534981

Sunoco Booster Pump

AEP #: 20220826-0245-water

- Not within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

The closest significant water course is an intermittent stream 0.73 miles to the southwest of the release extent.

### **1.5. Soil/Waste Characteristics**

The release occurred in an area where depth to water is greater than 100 ft below ground surface (bgs) and on an active production site and ROW used for oil and gas operations. The released fluid was from a treated produced water flowline. As the released fluid is known to contain high chlorides, no characterization samples were collected.

Excavation along the ROW occurred within the area remediated for the May 2022 release. The lithology is described as:

- 0 to 2 feet. Topsoil/sand backfill
- 2 to 4.5 feet. Compacted caliche backfill.
- 4.5 feet (total depth). Hard caliche.

## **2. Remediation & Restoration**

The release extent was divided into sample grids of not more than 200 sq ft. A soil sample was collected from each off site (ROW) grid base and along excavation walls for laboratory analysis of chloride, TPH, Benzene, and BTEX.

- Plate 10 shows the confirmation sample grid layout with associated square footage.
- Plate 11 shows the confirmation sample locations.
- Plate 12 shows the confirmation sample locations relative to the approved deferral area from the May 2022 release.
- Table A shows the coordinates of the confirmation sample points.

### **2.1. Off-Site Areas**

Ameredev excavated within the off-site release extent until the walls and bases met Closure Criteria per Table 1 of 19.15.29 NMAC as defined below except for the areas around production equipment which are included in the deferral request below.

- For the release areas off-site and where depth to water is > 100 ft (with NMOCD approved depth to water determination):
  - Upper 4-feet
    - Chloride < 600 mg/kg
    - TPH (GRO + DRO + MRO) < 100 mg/kg

12/27/2022

Incident ID: nAPP2224534981

Sunoco Booster Pump

AEP #: 20220826-0245-water

- BTEX < 50 mg/kg
- Benzene < 10 mg/kg
- Below 4-feet
  - Chloride < 20,000 mg/kg
  - TPH (GRO + DRO + MRO) < 2,500 mg/kg
  - TPH (GRO + DRO) < 1,000 mg/kg
  - BTEX < 50 mg/kg
  - Benzene < 10 mg/kg

Summary of analytical is presented in Table B. Laboratory Certificates of Analysis are presented in Appendix C.

### 3. Deferral Request

Ameredev respectfully asks NMOCD for deferral of impacted areas immediately around production equipment (portions of grids G-01, G-04 and G-05) and on the active production site (grids G-17.2 and G-27 through G-43). These areas meet the criteria for deferral request as defined in 19.15.29.12.C.(2):

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

Production equipment is located at the southwest edge of the release extent (portions of G-01, G-04 and G-05). The top 0.5-feet of impacted soil was removed in these grid portions to reduce mass load of chloride. Further remediation around this production equipment has the potential to cause structure instability resulting in major facility deconstruction or cause an “imminent risk to human health” (19.15.29.12.C.(2) NMAC).

As shown in Figures 3 through 5, pressurized produced water and gas lines are present throughout the production area within the ROW. The flowlines are both at the surface and buried. An unauthorized release from pipeline failure or line strike during remediation and sampling could cause human dismemberment or death.

The operating flowline pressures and the presence of hydrogen sulfide (H<sub>2</sub>S is immediately fatal when concentrations are over 500-1000 ppm) is summarized below.

- The recycled produced water lines are currently transferring water to fracking operations and disposal facilities. Operating range for the flowlines are 140 – 180 psi (max. 200 psi). Flowrate Range is 40,000 – 100,000 barrels of water per day (bwpd).
- The 16” low pressure gas line transfers sour gas (30,000+ ppm H<sub>2</sub>S) at a pressure between 50-100 psi.

12/27/2022

Released to Imaging: 1/23/2023 1:17:56 PM



Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

- A steel high pressure sweet gas line that provides gas lift to wells has an operating range of 1000 – 1400 psi.

To safely obtain soil samples for vertical delineation at grids G-01, G-04, and G-05 would require shutting down the flowlines for a 20 hour period; two weeks if a line strike occurs. Keeping these flowlines operational is critical to daily operations. Shutting down the flowlines would cause a monumental loss of production.



**Figure 3: View of off-site production equipment along ROW at grids G-01, G-04 and G-05. The upper 0.5-feet of impacted material has been removed.  
Date Taken: 2022-10-22 13:25:55. GPS: 32.1508480, -103.2812928**



**Figure 4: Production equipment along ROW at grids G-01, G-04 and G-05. Photo from remote camera. Capture date: 11/14/2022.**

Incident ID: nAPP2224534981

Sunoco Booster Pump

AEP #: 20220826-0245-water



**Figure 5: Production equipment adjacent to west edge of grid G-04. Date: 11/13/2022**

Sampling for horizontal delineation around this production equipment met the most stringent closure criteria for constituents of concern (GS-01 S, GS-04 W and GS-08 W).

On-site soil samples were collected to provide comprehensive vertical and horizontal delineation. This release occurred with an overlap to a prior release extent (Incident nAPP2213130408; May 2022) where deferral of impacted areas on-site was approved by NMOCD.

Horizontal delineation sampling was limited in the areas within the prior deferral area, as shown on Plate 12, with known levels of constituents of concern meeting on-site closure criteria; but above the most stringent criteria. Horizontal/lateral delineation to meet most stringent criteria includes samples GS-34 E, GS-38 N, GS-39 S, GS 40 S, GS-43 SE, and GS-45 N. Further horizontal delineation beyond samples GS-29 E, GS-30 SE, GS-39 N, and GS-44 W is prevented due to the location of the tank battery/production equipment.

12/27/2022

Released to Imaging: 1/23/2023 1:17:56 PM

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

Analysis of samples obtained for horizontal and vertical delineation of the release extent on the active production site demonstrated that constituents of concern met the standards of Table I of 19.15.29.12 NMAC, where groundwater > 100 ft below ground surface.

- For the release area on an active production site that is in use for oil and gas operations and where depth to water is > 100 ft (with NMOCD approved depth to water determination):
  - Chloride < 20,000 mg/kg
  - TPH (GRO + DRO + MRO) < 2,500 mg/kg
  - TPH (GRO + DRO) < 1,000 mg/kg
  - BTEX < 50 mg/kg
  - Benzene < 10 mg/kg

Approximately 1,139 cubic yards of impacted material was removed and hauled off-site for proper disposal. Figures 6 and 7 are representative of off-site excavation areas.



**Figure 6 : ROW excavation facing north.**  
**Date Taken: 2022-10-21 13:29:15 GPS:**  
**32.1511058, -103.2811192**



**Figure 7: Remediation of grids G-07, G-14, and G-15. Photo is viewing southwest from SW corner of production site. ROW production equipment is visible in photo background top left. Date: 12/11/2022. 32.1513088 N, 103.2808128 W**

12/27/2022

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

Excavated areas were backfilled with non-waste containing material. Backfill material was sampled for Chloride, TPH, BTEX, and Benzene. Backfill soil concentrations were below the most stringent Closure Criteria concentrations. The Off-Site/ROW areas were remediated and reclaimed per 19.15.29.13 A-D NMAC (Figure 8). Reseeding will occur at the next favorable growing season. Disturbed areas on the active production site were restored per 19.15.29.13 A-C NMAC (Figure 9).



**Figure 8: Reclaimed off-site area viewing north at west edge of production pad. The ROW is at photo right. The production pad is at photo left. The booster pump is in photo background top-right. 12/02/2022. 32.1515282 N, 103.2811498 W.**



**Figure 9: View of restored production site north of tank battery. Photo is viewing west-northwest. Date Taken: 2022-12-02 13:50:26. GPS: 32.1512392, -103.2808125**

12/27/2022

Released to Imaging: 1/23/2023 1:17:56 PM



Ameredeve II, LLC

Incident ID: nAPP2224534981

Sunoco Booster Pump

AEP #: 20220826-0245-water

The release extent on the active production site and immediately around defined production equipment will be remediated, restored, and reclaimed per 19.15.29.13.A-D NMAC when the production site is no longer in-use for oil and gas operations.

Please contact me with any questions.

Sincerely,



Andrew Parker  
Env. Scientist  
Ameredev II, LLC

12/27/2022

Released to Imaging: 1/23/2023 1:17:56 PM

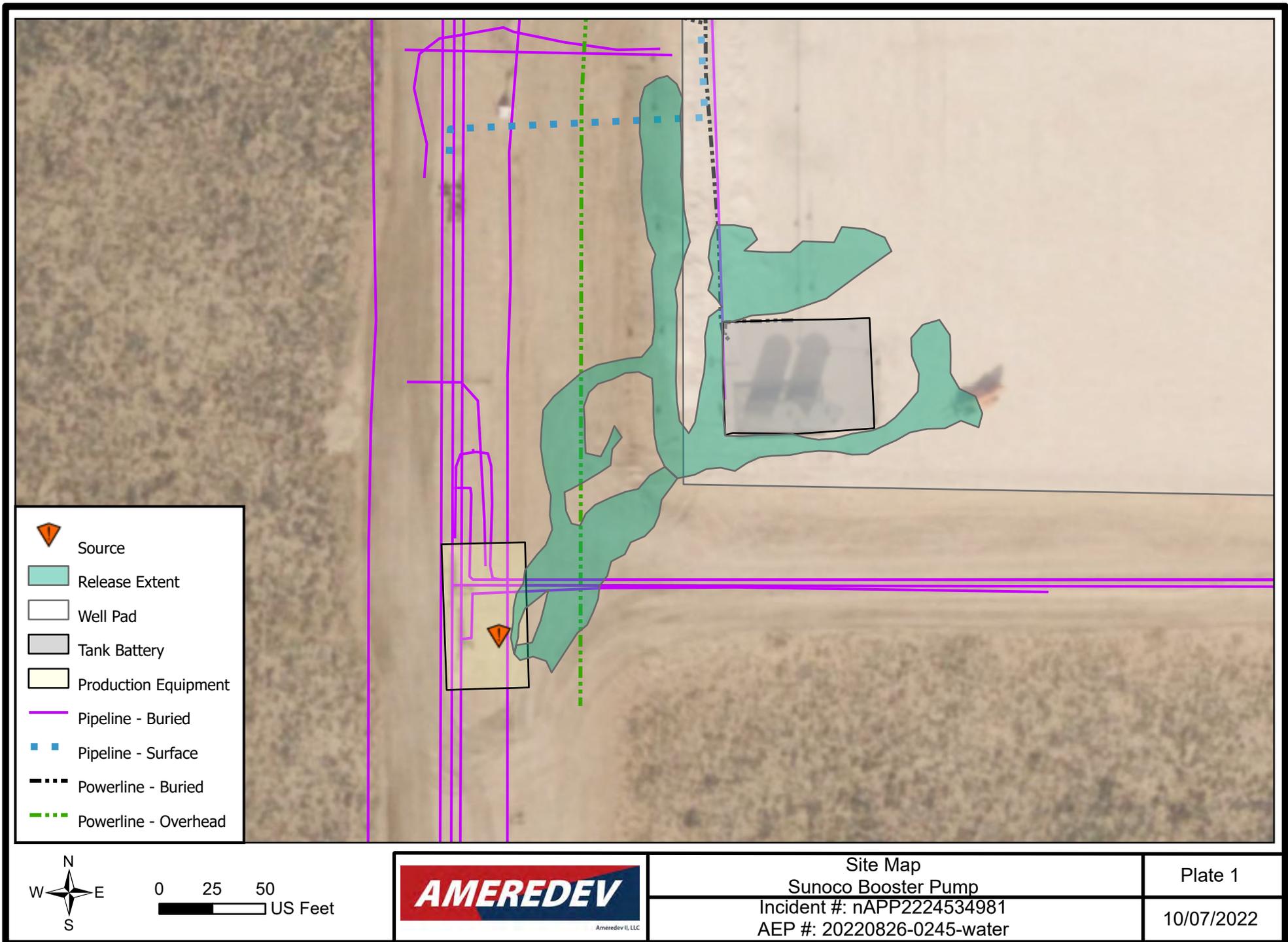


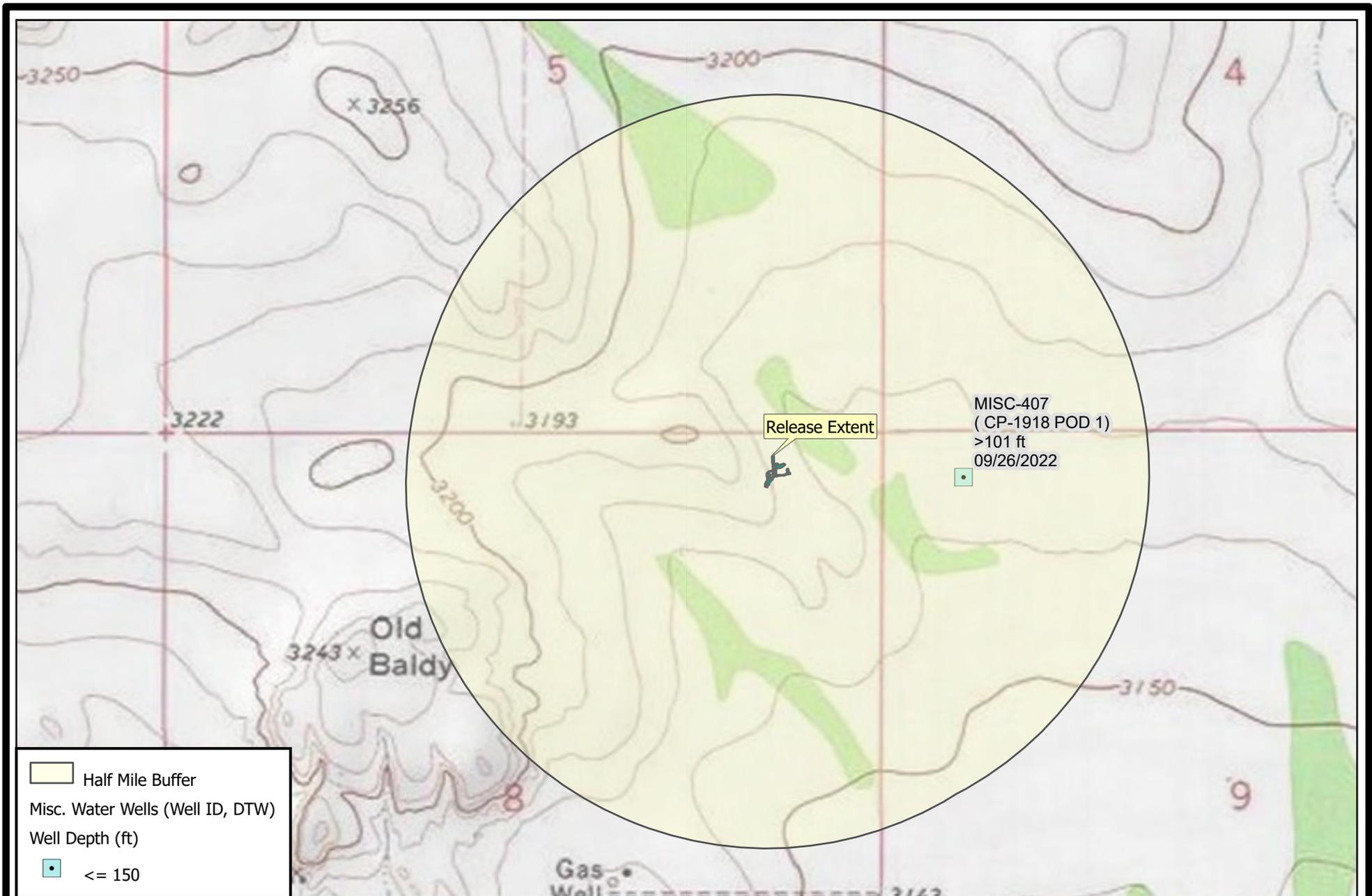
Ameredev II, LLC

# Plates



Ameredev II, LLC

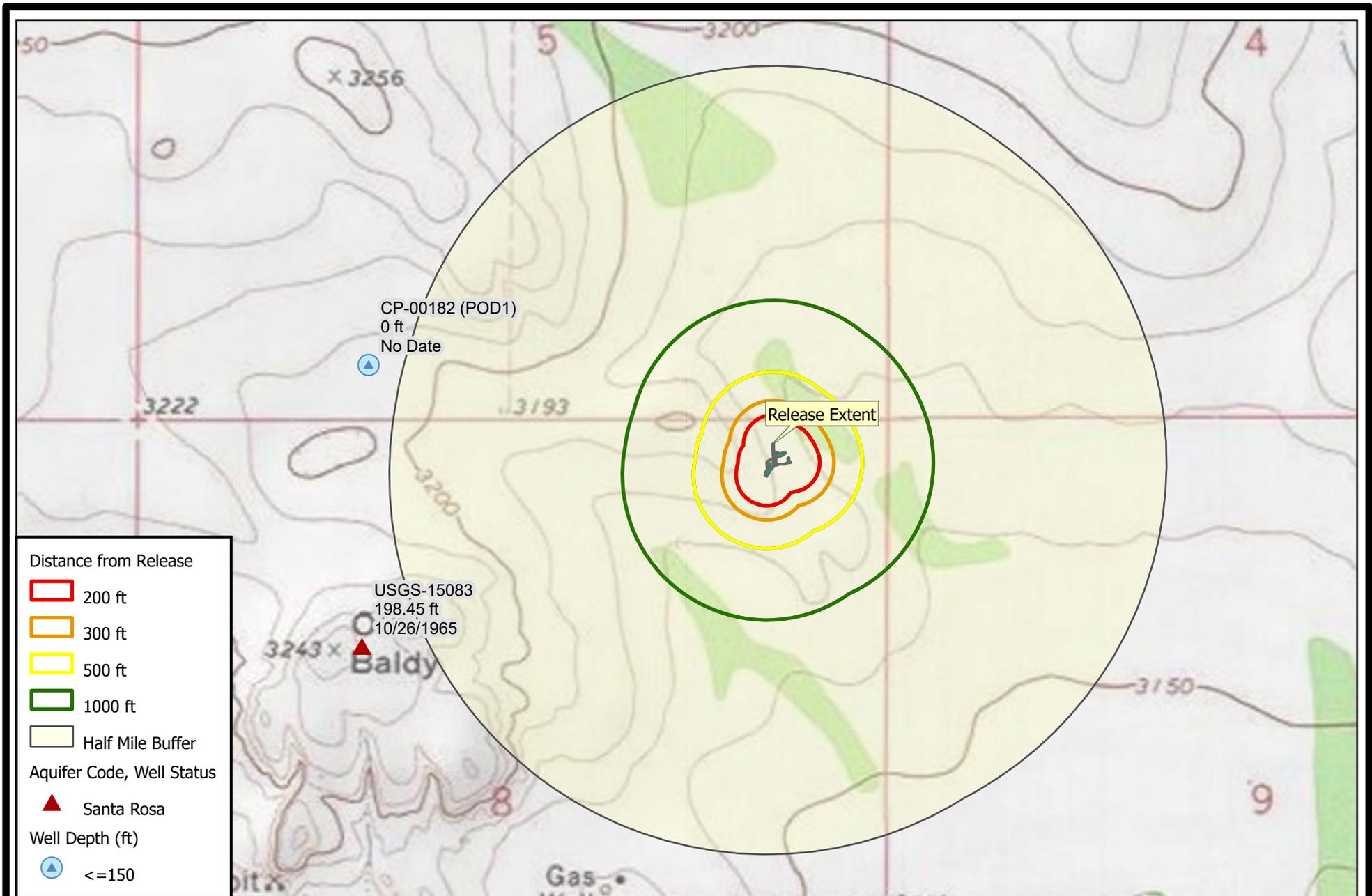




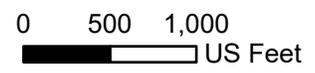
Half Mile Buffer  
 Misc. Water Wells (Well ID, DTW)  
 Well Depth (ft)  
 ≤ 150



Depth to Water Sunoco Booster Pump	Plate 2
Incident #: nAPP2224534981 AEP #: 20220826-0245-water	10/07/2022

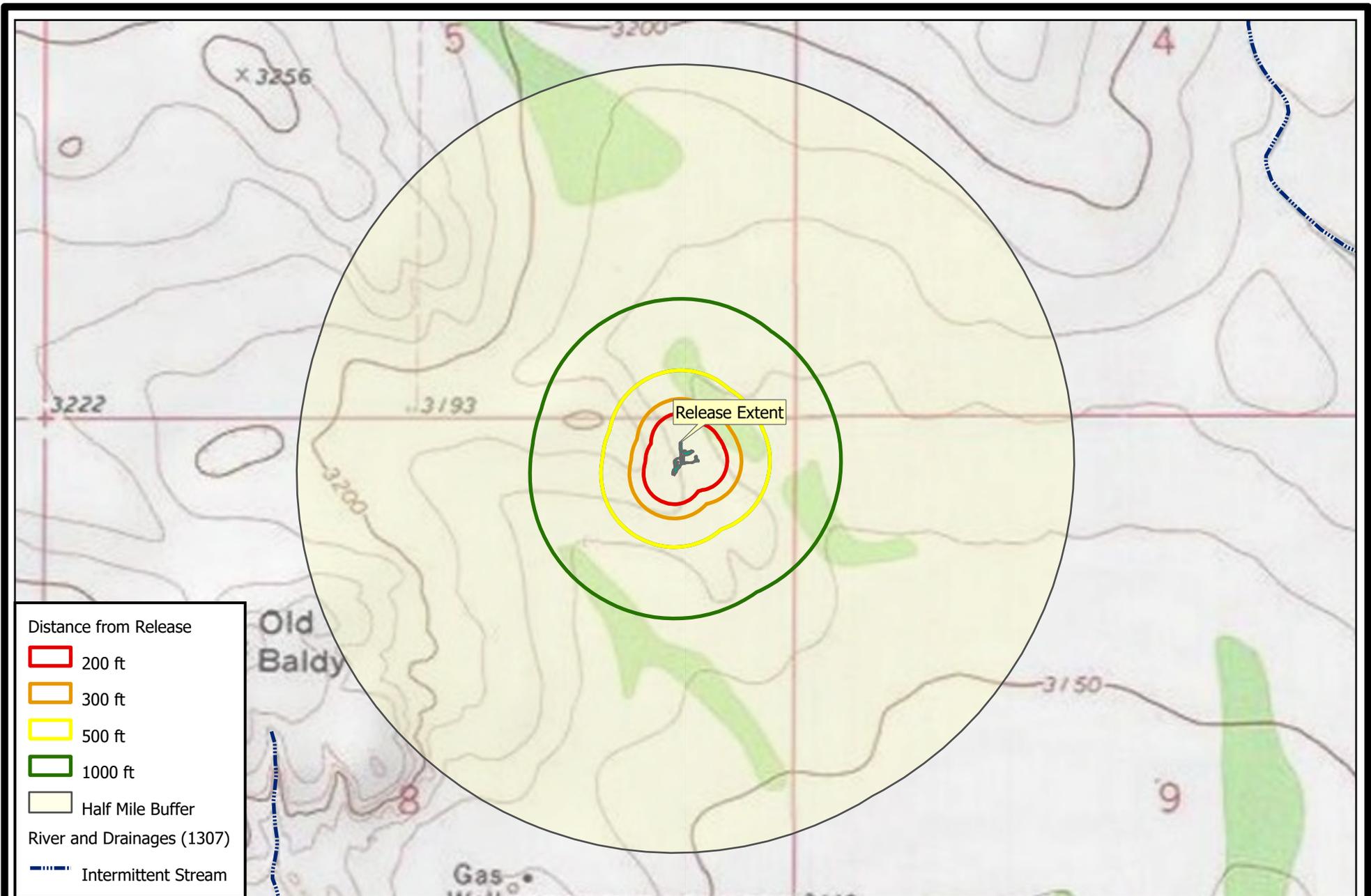


- Distance from Release
- 200 ft
  - 300 ft
  - 500 ft
  - 1000 ft
  - Half Mile Buffer
- Aquifer Code, Well Status
- ▲ Santa Rosa
- Well Depth (ft)
- ▲ <=150



Wellhead Protection Sunoco Booster Pump
Incident #: nAPP2224534981 AEP #: 20220826-0245-water

Plate 3
10/07/2022



Distance from Release

- 200 ft
- 300 ft
- 500 ft
- 1000 ft
- Half Mile Buffer

River and Drainages (1307)

Intermittent Stream

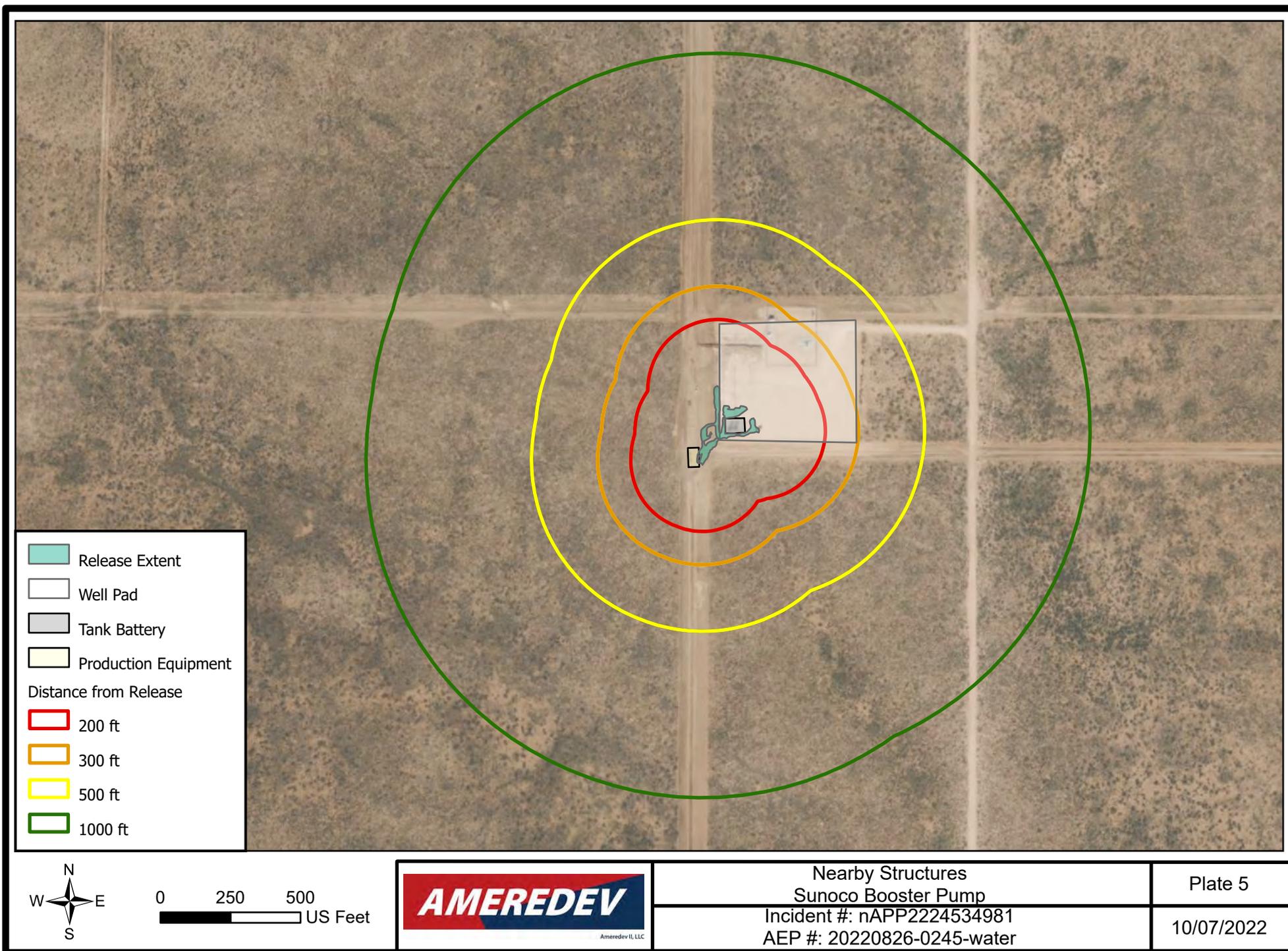
N  
W E  
S

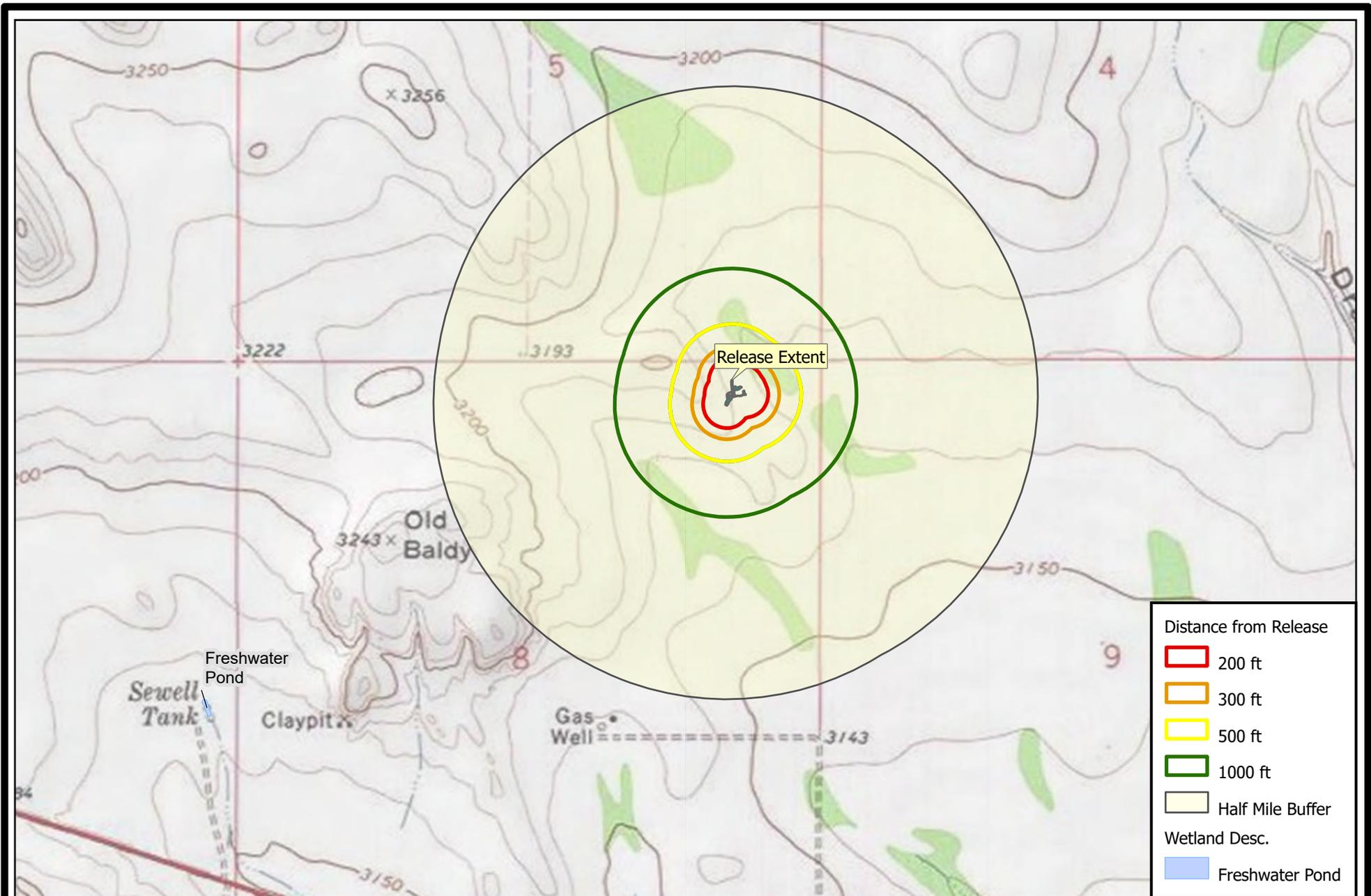
0 500 1,000  
US Feet



Significant Watercourses Sunoco Booster Pump
Incident #: nAPP2224534981 AEP #: 20220826-0245-water

Plate 4
10/07/2022



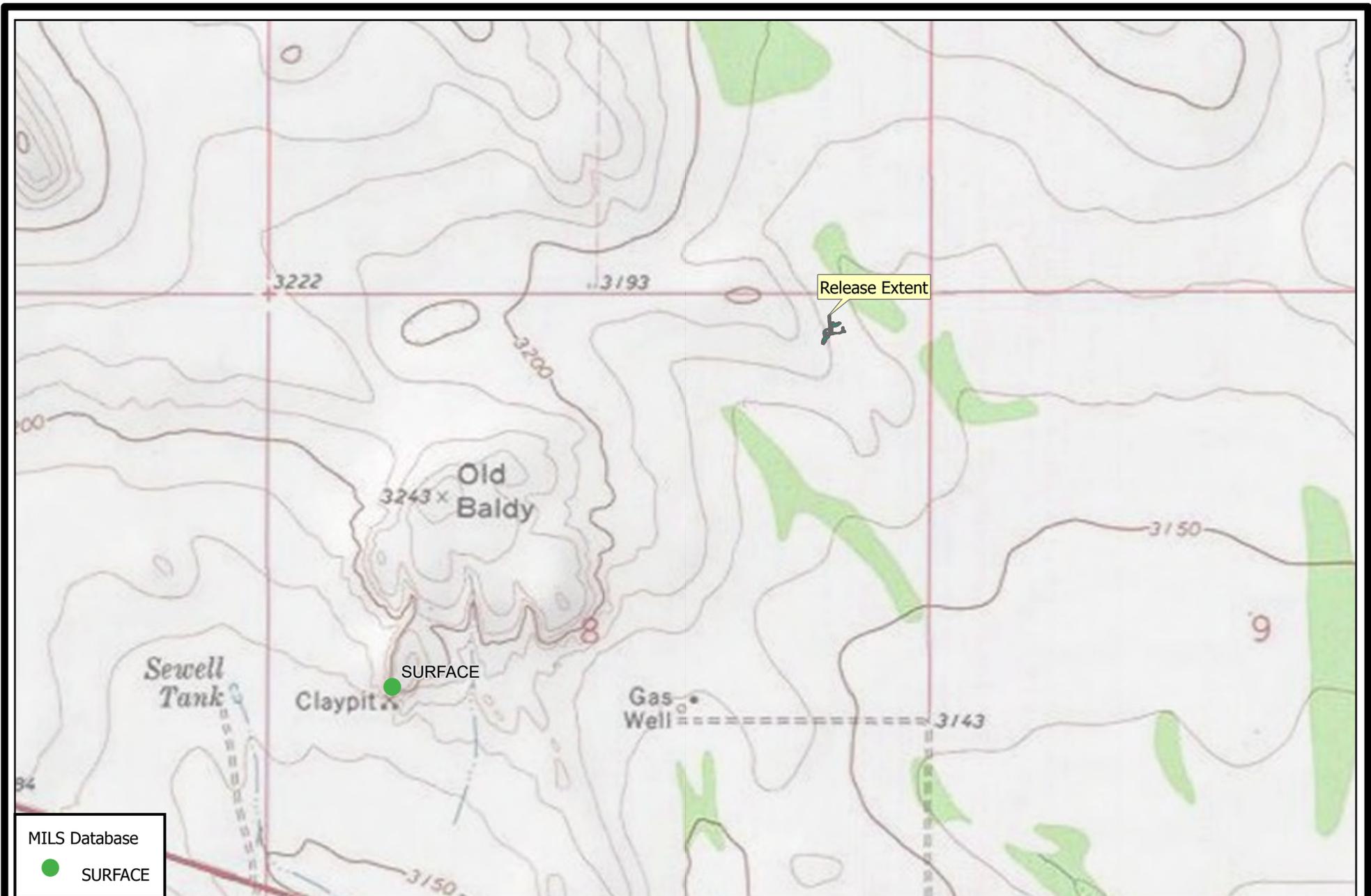


0 750 1,500  
US Feet



Wetlands  
Sunoco Booster Pump  
Incident #: nAPP2224534981  
AEP #: 20220826-0245-water

Plate 6  
10/07/2022



MILS Database  
● SURFACE

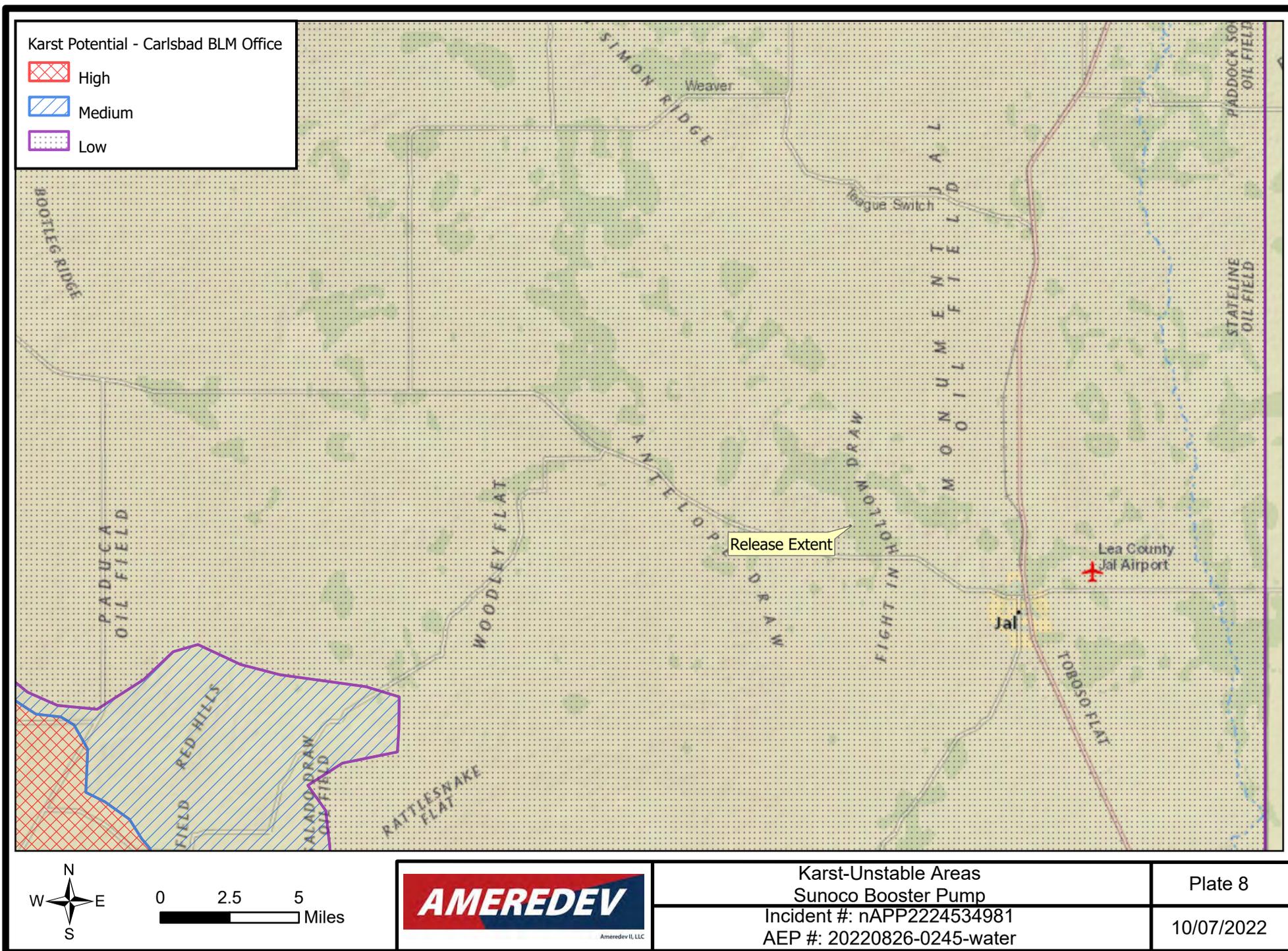


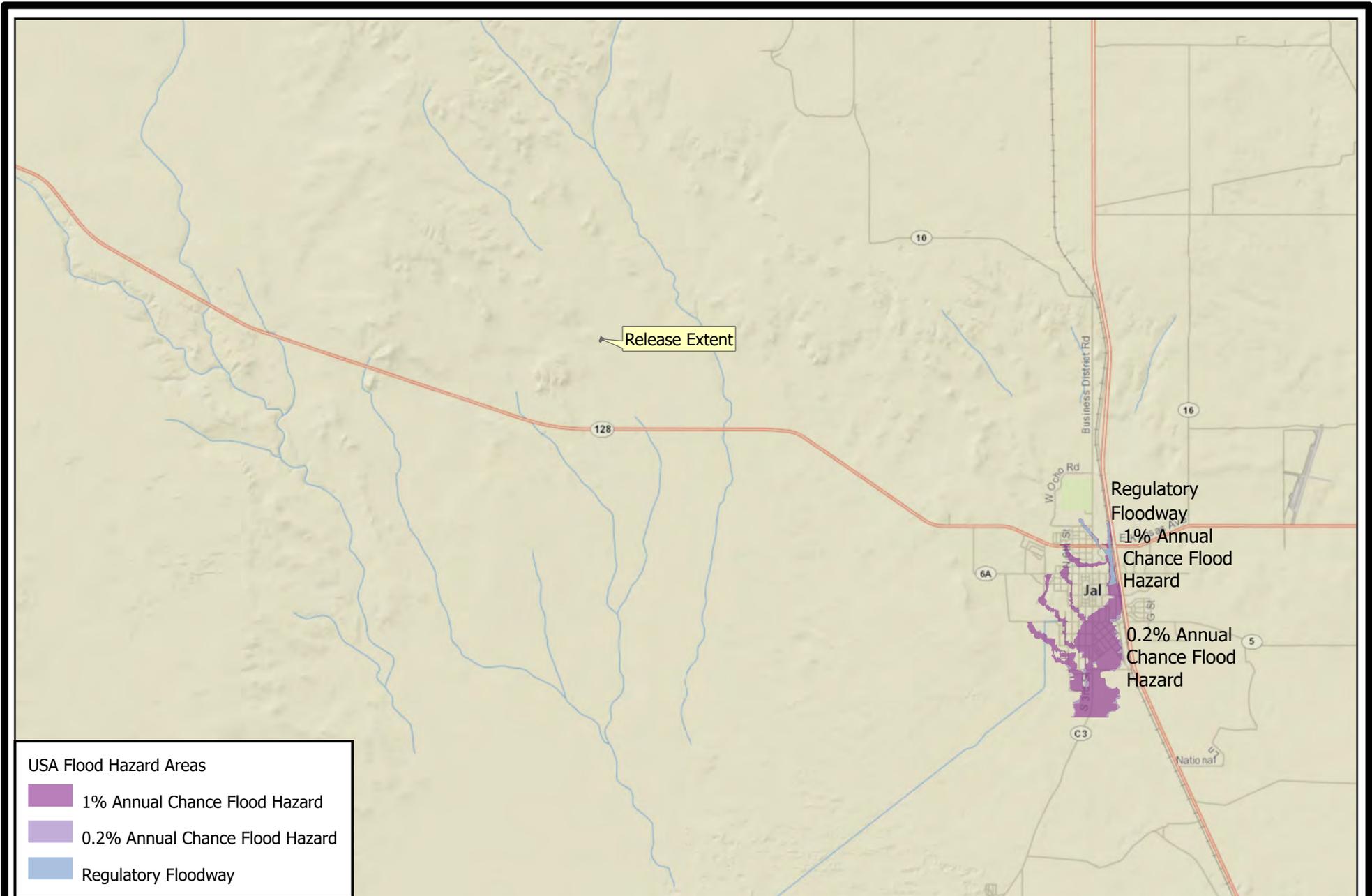
0 500 1,000  
US Feet



Mines and Minerals Sunoco Booster Pump
Incident #: nAPP2224534981 AEP #: 20220826-0245-water

Plate 7
10/07/2022





**USA Flood Hazard Areas**

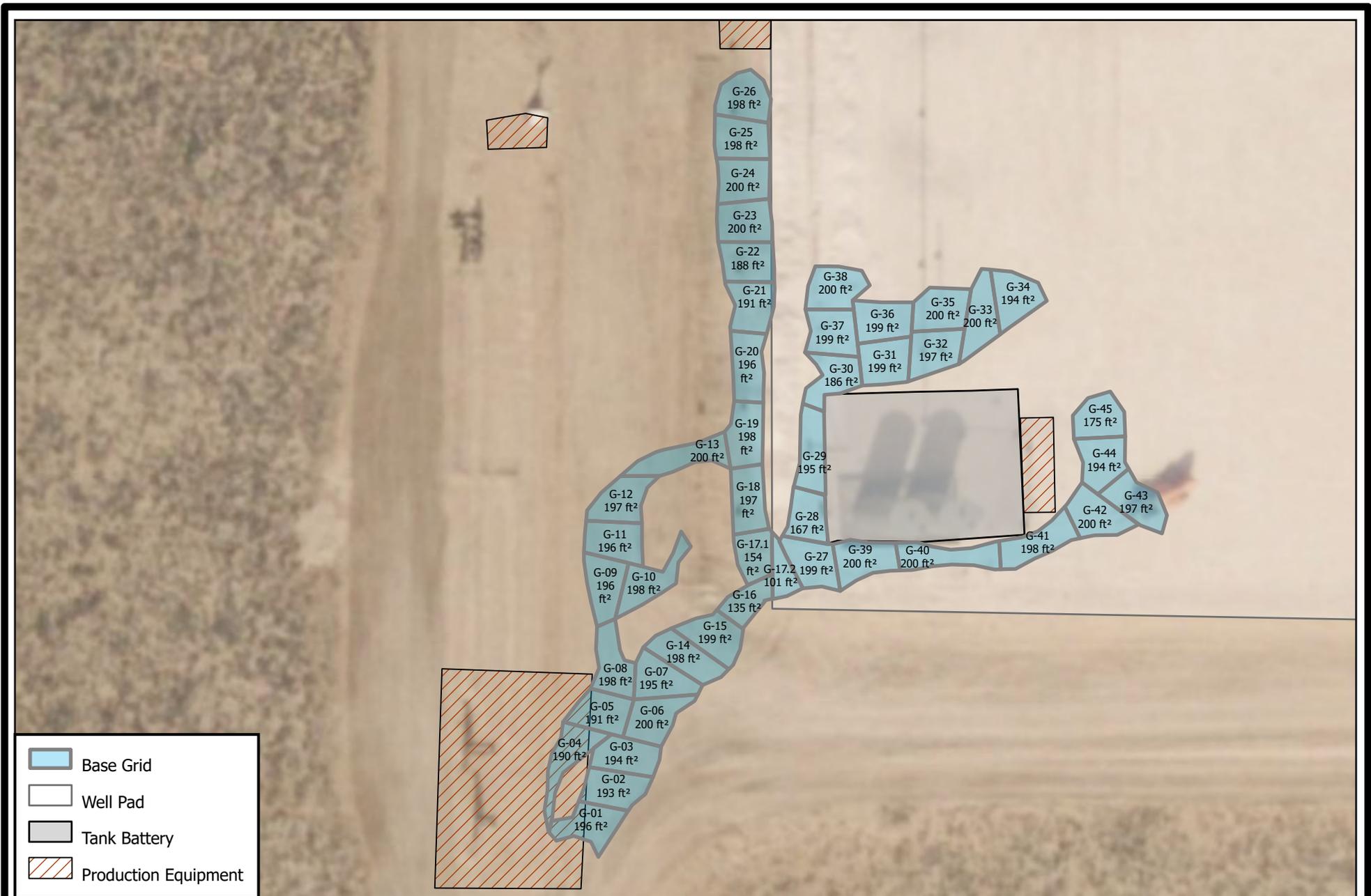
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Regulatory Floodway






<b>Flood Potential</b> Sunoco Booster Pump Incident #: nAPP2224534981 AEP #: 20220826-0245-water
---

Plate 9  10/07/2022
---------------------------

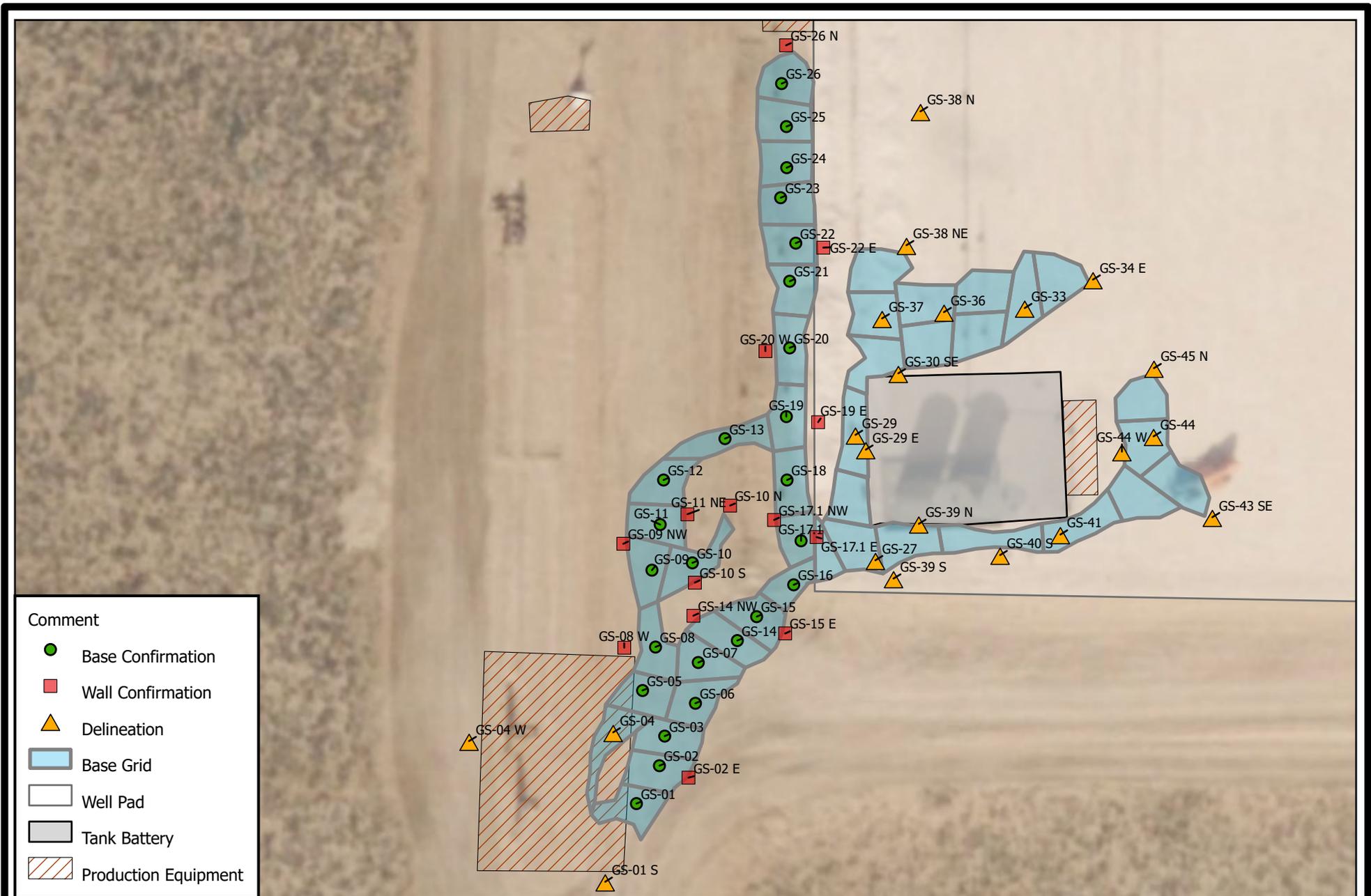


Base Grid  
 Well Pad  
 Tank Battery  
 Production Equipment



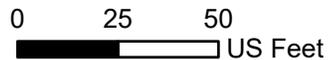
<b>Sample Grid with Square Footage</b> <b>Sunoco Booster Pump</b>
Incident #: nAPP2224534981 AEP #: 20220826-0245-water

Plate 10  12/12/2022
----------------------------



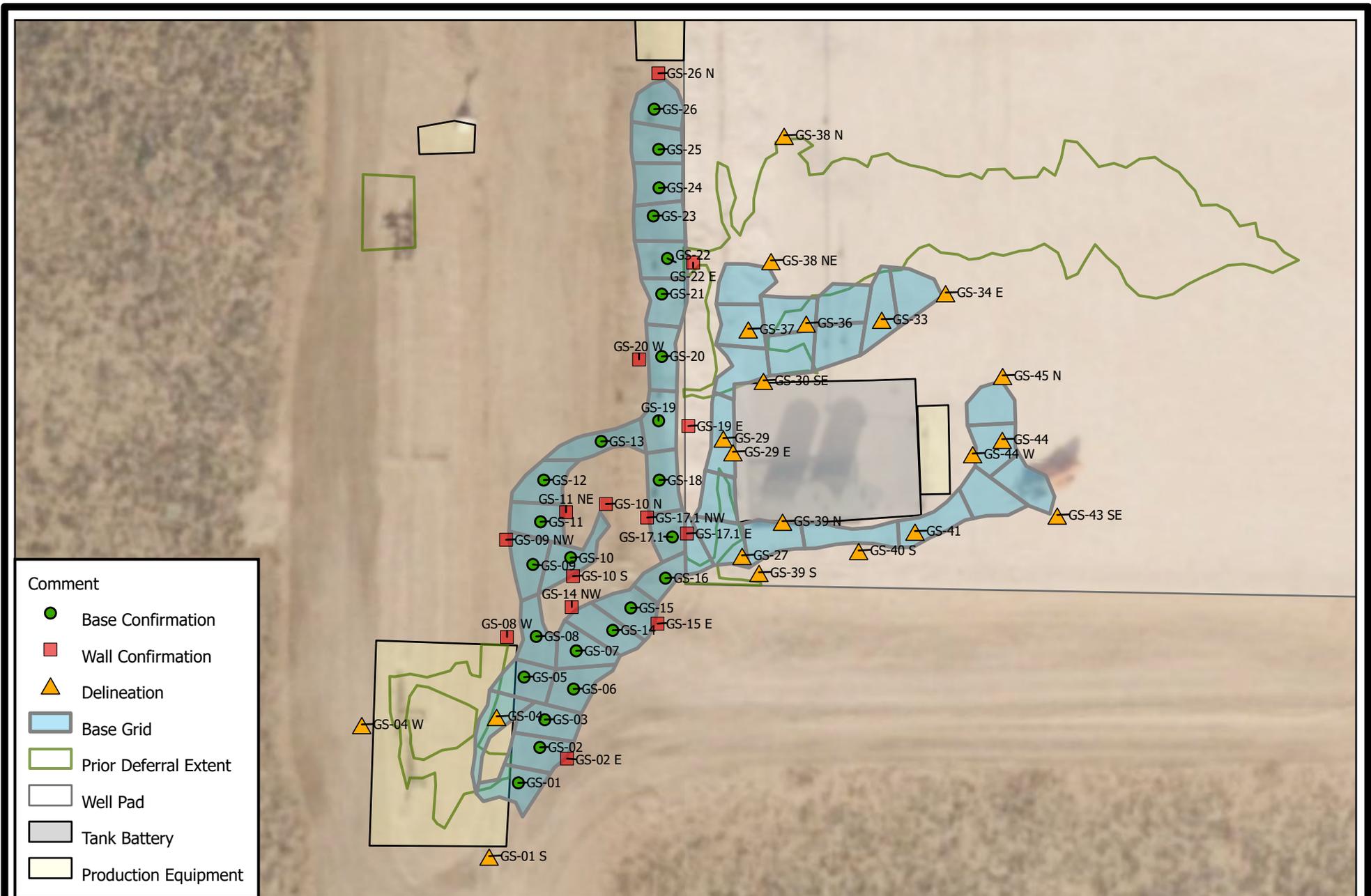
Comment

- Base Confirmation
- Wall Confirmation
- ▲ Delineation
- Base Grid
- Well Pad
- Tank Battery
- Production Equipment



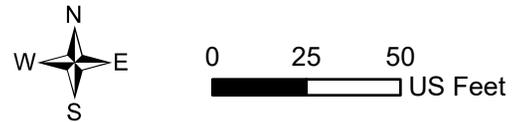
<b>Sample Point Locations</b> <b>Sunoco Booster Pump</b>
Incident #: nAPP2224534981 AEP #: 20220826-0245-water

Plate 11 12/12/2022
------------------------



**Comment**

- Base Confirmation
- Wall Confirmation
- ▲ Delineation
- Base Grid
- Prior Deferral Extent
- Well Pad
- Tank Battery
- Production Equipment



Sample Point Locations and Prior Deferral Extent  
 Sunoco Booster Pump  
 Incident #: nAPP2224534981  
 AEP #: 20220826-0245-water

Plate 12  
 12/19/2022

# Tables



Ameredev II, LLC

Sample Point	Latitude	Longitude
GS-01	32.15091591	-103.2812733
GS-01 S	32.15085126	-103.2813039
GS-02	32.15094721	-103.2812509
GS-02 E	32.15093735	-103.2812225
GS-03	32.15097170	-103.2812457
GS-04	32.15097474	-103.2812961
GS-04 W	32.15096752	-103.2814369
GS-05	32.15100940	-103.2812673
GS-06	32.15099883	-103.2812157
GS-07	32.15103256	-103.2812129
GS-08	32.15104533	-103.2812547
GS-08 W	32.15104476	-103.2812852
GS-09	32.15110888	-103.2812582
GS-09 NW	32.15113073	-103.2812862
GS-10	32.15111494	-103.2812187
GS-10 N	32.15116226	-103.2811819
GS-10 S	32.15109857	-103.2812162
GS-11	32.15114661	-103.2812501
GS-11 NE	32.15115507	-103.2812235
GS-12	32.15118342	-103.2812468
GS-13	32.15121764	-103.2811868
GS-14	32.15105068	-103.2811748
GS-14 NW	32.15107118	-103.2812177
GS-15	32.15107045	-103.2811559
GS-15 E	32.15105659	-103.2811280
GS-16	32.15109677	-103.2811197
GS-17.1	32.15113320	-103.2811125
GS-17.1 E	32.15113625	-103.2810974
GS-17.1 NW	32.15115037	-103.2811389
GS-17.2	32.15112336	-103.2810907
GS-18	32.15118342	-103.2811262
GS-19	32.15123585	-103.2811269
GS-19 E	32.15123124	-103.2810959
GS-20	32.15129264	-103.2811236
GS-20 W	32.15128996	-103.2811473
GS-21	32.15134779	-103.2811236
GS-22	32.15137928	-103.2811177
GS-22 E	32.15137554	-103.2810908
GS-23	32.15141680	-103.2811324
GS-24	32.15144166	-103.2811265
GS-25	32.15147565	-103.2811268
GS-26	32.15151120	-103.2811315
GS-26 N	32.15154282	-103.2811271
GS-27	32.15111702	-103.2810398
GS-28	32.15116962	-103.2810630
GS-29	32.15122065	-103.2810594
GS-29 E	32.15120855	-103.2810493
GS-30	32.15128332	-103.2810356
GS-30 SE	32.15127161	-103.2810175
GS-31	32.15129822	-103.2809913
GS-32	32.15130469	-103.2809382
GS-33	32.15132561	-103.2808940

Sample Point	Latitude	Longitude
GS-34	32.15135098	-103.2808577
GS-34 E	32.15134913	-103.2808273
GS-35	32.15134063	-103.2809344
GS-36	32.15132225	-103.2809729
GS-37	32.15131705	-103.2810333
GS-38	32.15135827	-103.2810333
GS-38 N	32.15148720	-103.2809965
GS-38 NE	32.15137749	-103.2810096
GS-39	32.15113320	-103.2810076
GS-39 N	32.15114716	-103.2809975
GS-39 S	32.15109960	-103.2810201
GS-40	32.15113485	-103.2809411
GS-40 S	32.15112131	-103.2809181
GS-41	32.15113839	-103.2808592
GS-42	32.15116631	-103.2807794
GS-43	32.15118293	-103.2807446
GS-43 SE	32.15115263	-103.2807108
GS-44	32.15121952	-103.2807681
GS-44 W	32.15120687	-103.2807991
GS-45	32.15125395	-103.2807803
GS-45 N	32.15127746	-103.2807665

December 19, 2022

Table B  
Summary of Analytical

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
GS-01	10/25/2022	2			Off-Site	80	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-01 S	10/25/2022		0	2	Off-Site	160	<20	<30	<0.025	<0.15	Horizontal Delineation	Cardinal	H225018
GS-02	10/25/2022	2			Off-Site	80	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-02 E	10/25/2022		0	2	Off-Site	80	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-03	10/25/2022	2			Off-Site	80	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-04	10/25/2022		0	0.5	Facility	NS	NS	NS	NS	NS	Removed		
GS-04	10/25/2022		0.5	2	Facility	5120	<20	<30	<0.025	<0.15	Delineation/Defer	Cardinal	H225018
GS-04	10/25/2022		2	3	Facility	8660	<20	<30	<0.025	<0.15	Delineation/Defer	Cardinal	H225018
GS-04 W	10/25/2022		0	2	Off-Site	112	<20	<30	<0.025	<0.15	Horizontal Delineation	Cardinal	H225018
GS-05	10/25/2022	2			Off-Site	128	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-06	10/25/2022	2			Off-Site	144	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-07	10/25/2022	2			Off-Site	208	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-08	10/25/2022	2			Off-Site	192	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-08 W	11/7/2022		0	2	Off-Site	128	<20	<30	<0.05	<0.30	Confirmation/Delineation	Cardinal	H225247
GS-09	12/1/2022	2			Off-Site	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-09 NW	12/1/2022		0	2	Off-Site	192	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-10	12/1/2022	2			Off-Site	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-10 N	12/1/2022		0	2	Off-Site	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-10 S	12/1/2022		0	2	Off-Site	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-11	12/1/2022	2			Off-Site	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-11 NE	12/1/2022		0	2	Off-Site	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-12	10/25/2022	2			Off-Site	192	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-13	10/25/2022	2			Off-Site	224	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-14	11/7/2022	2			Off-Site	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225247
GS-14 NW	11/7/2022		0	2	Off-Site	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225247
GS-15	11/7/2022	2			Off-Site	192	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225247
GS-15 E	11/7/2022		0	2	Off-Site	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225247
GS-16	12/1/2022	4.5			Off-Site	208	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-17.1	12/1/2022	4.5			Off-Site	1280	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-17.1 E	12/1/2022		0	2	On-Site	7730	<20	<30	<0.05	<0.30	Confirmation/Defer	Cardinal	H225638
GS-17.1 E	12/1/2022		2	4	On-Site	2200	<20	<30	<0.05	<0.30	Confirmation/Defer	Cardinal	H225638
GS-17.1 E	12/1/2022	4.5			On-Site	192	<20	<30	<0.05	<0.30	Confirmation/Defer	Cardinal	H225638
GS-17.1 NW	12/1/2022		0	2	Off-Site	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-17.1 NW	12/1/2022		2	4	Off-Site	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-17.1 NW	12/1/2022	4.5			Off-Site	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H225638
GS-17.2					On-Site	NS	NS	NS	NS	NS	Defer		
GS-18	10/25/2022	4.25			Off-Site	832	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-19	10/25/2022	4.25			Off-Site	4560	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-19 E	10/25/2022		0	2	On-Site	144	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-19 E	10/25/2022		2	4	On-Site	1100	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-19 E	10/25/2022	4.25			On-Site	2120	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-20	10/25/2022	4.25			Off-Site	1100	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-20 W	10/25/2022		0	2	Off-Site	48	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-20 W	10/25/2022		2	4	Off-Site	64	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-20 W	10/25/2022	4.25			Off-Site	176	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018

December 19, 2022

Table B  
Summary of Analytical

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
GS-21	10/25/2022	4.25			Off-Site	352	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-22	10/25/2022	4.25			Off-Site	96	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-22 E	10/25/2022		0	2	On-Site	608	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-22 E	10/25/2022		2	4	On-Site	704	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-22 E	10/25/2022	4.25			On-Site	160	<20	<30	<0.025	<0.15	Confirmation/Defer	Cardinal	H225018
GS-23	10/25/2022	4.25			Off-Site	288	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-24	10/25/2022	4.25			Off-Site	1880	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-25	10/25/2022	4.25			Off-Site	3600	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-26	10/25/2022		0	2	Off-Site	800	<20	<30	<0.025	<0.15	Removed	Cardinal	H225018
GS-26	10/25/2022		2	4	Off-Site	96	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-26	10/25/2022	4.25			Off-Site	192	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-26 N	10/25/2022		0	2	Off-Site	32	<20	<30	<0.025	<0.15	Confirmation	Cardinal	H225018
GS-27	10/24/2022		0	2	On-Site	112	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-27	10/24/2022		2	4	On-Site	3520	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-27	10/24/2022	4.5			On-Site	4800	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-28					On-Site	NS	NS	NS	NS	NS	Defer		
GS-29	10/24/2022		0	2	On-Site	592	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-29	10/24/2022		2	4	On-Site	96	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-29 E	10/24/2022		0	2	On-Site	5730	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-29 E	10/24/2022		2	4	On-Site	400	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-29 E	10/24/2022	4.5			On-Site	208	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-30					On-Site	NS	NS	NS	NS	NS	Defer		
GS-30 SE	10/24/2022		0	2	On-Site	6000	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-30 SE	10/24/2022		2	4	On-Site	6220	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-30 SE	10/24/2022	4.5			On-Site	5060	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-31					On-Site	NS	NS	NS	NS	NS	Defer		
GS-32					On-Site	NS	NS	NS	NS	NS	Defer		
GS-33	10/24/2022		0	2	On-Site	384	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-33	10/24/2022		2	4	On-Site	112	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-34					On-Site	NS	NS	NS	NS	NS	Defer		
GS-34 E	10/24/2022		0	2	On-Site	64	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-35					On-Site	NS	NS	NS	NS	NS	Defer		
GS-36	10/24/2022		0	2	On-Site	5280	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-36	10/24/2022		2	4	On-Site	3440	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-36	10/24/2022	4.5			On-Site	2160	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-37	10/24/2022		0	2	On-Site	112	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-38 N	12/12/2022	0			On-Site	64	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H225846
GS-38 NE	10/24/2022		0	2	On-Site	7200	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-38 NE	10/24/2022		2	4	On-Site	7280	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-38 NE	10/24/2022	4.5			On-Site	4560	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-39					On-Site	NS	NS	NS	NS	NS	Defer		
GS-39 N	10/24/2022		0	2	On-Site	720	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-39 N	10/24/2022		2	4	On-Site	3520	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-39 N	10/24/2022	4.5			On-Site	1600	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001

December 19, 2022

Table B  
Summary of Analytical

Incident ID: nAPP2224534981  
Sunoco Booster Pump  
AEP #: 20220826-0245-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
												(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
GS-39 S	12/12/2022	0			On-Site	32	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H225846
GS-40					On-Site	NS	NS	NS	NS	NS	Defer		
GS-40 S	10/24/2022		0	2	On-Site	320	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-40 S	10/24/2022		2	4	On-Site	240	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-41	10/24/2022		0	2	On-Site	192	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-41	10/24/2022		2	4	On-Site	368	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-42					On-Site	NS	NS	NS	NS	NS	Defer		
GS-43					On-Site	NS	NS	NS	NS	NS	Defer		
GS-43 SE	10/24/2022		0	2	On-Site	144	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-44	10/24/2022		0	2	On-Site	1640	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-44	10/24/2022		2	4	On-Site	176	<20	<30	<0.05	<0.30	Vertical Delineation/Defer	Cardinal	H225001
GS-44 W	10/24/2022		0	2	On-Site	672	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-44 W	10/24/2022		2	4	On-Site	80	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
GS-45					On-Site	NS	NS	NS	NS	NS	Defer		
GS-45 N	10/24/2022		0	2	On-Site	272	<20	<30	<0.05	<0.30	Horizontal Delineation/Defer	Cardinal	H225001
Sunoco Backfill 01	10/26/2022				On-Site	<16	<20	<30	<0.05	<0.30	Backfill	Cardinal	H225056

# Appendix A

## Communications



Ameredev II, LLC

**Andrew Parker**

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Sent:** Monday, October 24, 2022 11:11 AM  
**To:** Andrew Parker  
**Cc:** Bratcher, Michael, EMNRD  
**Subject:** FW: [EXTERNAL] nAPP2224534981 48 hour sampling notice at Sunoco Booster Pump #2

External (jennifer.nobui@emnrd.nm.gov)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

Andrew

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please note that the responsible party must provide at least two business days' notice to the OCD as opposed to 48-hour notification.

Thanks,  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Thursday, October 20, 2022 1:05 PM  
**To:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] nAPP2224534981 48 hour sampling notice at Sunoco Booster Pump #2

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>  
**Sent:** Thursday, October 20, 2022 8:08 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] nAPP2224534981 48 hour sampling notice at Sunoco Booster Pump #2

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

NMOCD,

Please accept this email as the 48 hour confirmation sampling notice per 19.15.29 NMAC. Remediation commence today and confirmation sampling will occur throughout excavation activities.

Location: Sunoco Booster Pump #2

AEP#: 20220826-0245-water

Incident#: nAPP2224534981

Regards.

Andrew Parker  
Environmental Scientist  
970-570-9535



---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Friday, September 2, 2022 10:43 AM  
**To:** Andrew Parker <[aparker@amereDEV.com](mailto:aparker@amereDEV.com)>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 140421

To whom it may concern (c/o Andrew Parker for AMEREDEV OPERATING, LLC),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2224534981, with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2224534981, on all subsequent C-141 submissions and communications regarding the remediation of this release.

**NOTE:** As of December 2019, NMOCD has discontinued the use of the "RP" number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

[ocd.enviro@state.nm.us](mailto:ocd.enviro@state.nm.us)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

# Appendix B

## Well Logs



Ameredev II, LLC



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

July 8, 2022

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-1918 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-1918 Pod-1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

OSE OIT SEP 30 2022 AM 10:53



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1918			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE		MINUTES 9	SECONDS 3.94	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE		103	16	35.73		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NW NW Sec.9 T25S R36S NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 9/19/2022		DRILLING ENDED 9/19/2022		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 9/26/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	±6.25"	Boring-HSA	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.		POD NO.	TRN NO.		
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2





# PLUGGING RECORD



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

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1918

Well owner: Ameredev Operating, LLC Phone No.: 737-300-4700

Mailing address: 2901 Via Fortuna Suite 600

City: Austin State: Texas Zip code: 78746

### II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins ( Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge ,Cameron Pruitt
- 4) Date well plugging began: 9/26/2022 Date well plugging concluded: 9/26/2022
- 5) GPS Well Location: Latitude: 32 deg, 9 min, 3.94 sec  
Longitude: 103 deg, 16 min, 35.70 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),  
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 9/12/2022
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE OIJ SEP 30 2022 AM 10:53

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

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-101'	Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

OSE OIT SEP 30 2022 AM 10:53

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

**III. SIGNATURE:**

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

*Jack Atkins*

Signature of Well Driller

9/29/2022

Date

# 1-C-1918\_WellLog-packet-forsign-DTW-4

Final Audit Report

2022-09-29

Created:	2022-09-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAGR3XzjVMySnap66fsach81rXkMna7Bg

## "1-C-1918\_WellLog-packet-forsign-DTW-4" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)  
2022-09-29 - 9:19:37 PM GMT- IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature  
2022-09-29 - 9:21:09 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)  
2022-09-29 - 9:22:24 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)  
Signature Date: 2022-09-29 - 9:23:19 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.  
2022-09-29 - 9:23:19 PM GMT

USE DIT SEP 30 2022 AM 10:53

# Appendix C

## Certificates of Analysis



Ameredev II, LLC



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 01, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/24/22 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
01-Nov-22 10:07

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 27 0-2 FT	H225001-01	Soil	24-Oct-22 08:13	24-Oct-22 16:40
GS - 27 2-4 FT	H225001-02	Soil	24-Oct-22 08:21	24-Oct-22 16:40
GS - 27 4.5 FT	H225001-03	Soil	24-Oct-22 08:31	24-Oct-22 16:40
GS - 29 0-2 FT	H225001-04	Soil	24-Oct-22 08:37	24-Oct-22 16:40
GS - 29 2-4 FT	H225001-05	Soil	24-Oct-22 08:47	24-Oct-22 16:40
GS - 29 E 0-2 FT	H225001-06	Soil	24-Oct-22 08:52	24-Oct-22 16:40
GS - 29 E 2-4 FT	H225001-07	Soil	24-Oct-22 09:01	24-Oct-22 16:40
GS - 29 E 4.5 FT	H225001-08	Soil	24-Oct-22 09:08	24-Oct-22 16:40
GS - 30 SE 0-2 FT	H225001-09	Soil	24-Oct-22 09:20	24-Oct-22 16:40
GS - 30 SE 2-4 FT	H225001-10	Soil	24-Oct-22 09:26	24-Oct-22 16:40
GS - 30 SE 4.5 FT	H225001-11	Soil	24-Oct-22 09:32	24-Oct-22 16:40
GS - 33 0-2 FT	H225001-12	Soil	24-Oct-22 09:42	24-Oct-22 16:40
GS - 33 2-4 FT	H225001-13	Soil	24-Oct-22 09:48	24-Oct-22 16:40
GS - 34 E 0-2 FT	H225001-14	Soil	24-Oct-22 09:57	24-Oct-22 16:40
GS - 36 0-2 FT	H225001-15	Soil	24-Oct-22 10:07	24-Oct-22 16:40
GS - 36 2-4 FT	H225001-16	Soil	24-Oct-22 10:17	24-Oct-22 16:40
GS - 36 4.5 FT	H225001-17	Soil	24-Oct-22 10:22	24-Oct-22 16:40
GS - 37 0-2 FT	H225001-18	Soil	24-Oct-22 10:28	24-Oct-22 16:40
GS - 38 NE 0-2 FT	H225001-19	Soil	24-Oct-22 10:33	24-Oct-22 16:40
GS - 38 NE 2-4 FT	H225001-20	Soil	24-Oct-22 10:41	24-Oct-22 16:40
GS - 38 NE 4.5 FT	H225001-21	Soil	24-Oct-22 10:47	24-Oct-22 16:40
GS - 39 N 0-2 FT	H225001-22	Soil	24-Oct-22 10:58	24-Oct-22 16:40
GS - 39 N 2-4 FT	H225001-23	Soil	24-Oct-22 11:07	24-Oct-22 16:40
GS - 39 N 4.5 FT	H225001-24	Soil	24-Oct-22 11:15	24-Oct-22 16:40
GS - 40 S 0-2 FT	H225001-25	Soil	24-Oct-22 11:28	24-Oct-22 16:40
GS - 40 S 2-4 FT	H225001-26	Soil	24-Oct-22 11:36	24-Oct-22 16:40
GS - 41 0-2 FT	H225001-27	Soil	24-Oct-22 11:47	24-Oct-22 16:40

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

GS - 41 2-4 FT	H225001-28	Soil	24-Oct-22 11:52	24-Oct-22 16:40
GS - 43 SE 0-2 FT	H225001-29	Soil	24-Oct-22 12:01	24-Oct-22 16:40
GS - 44 0-2 FT	H225001-30	Soil	24-Oct-22 12:10	24-Oct-22 16:40
GS - 44 2-4 FT	H225001-31	Soil	24-Oct-22 12:17	24-Oct-22 16:40
GS - 44 W 0-2 FT	H225001-32	Soil	24-Oct-22 12:32	24-Oct-22 16:40
GS - 44 W 2-4 FT	H225001-33	Soil	24-Oct-22 12:39	24-Oct-22 16:40
GS - 45 N 0-2 FT	H225001-34	Soil	24-Oct-22 12:51	24-Oct-22 16:40

11/01/22 - Client clarified the project name via email. This is the revised report and will replace the one sent on 10/31/22.

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 27 0-2 FT  
H225001-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102636	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.2 %		69.9-140	2102636	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			88.8 %		45.3-161	2102717	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			98.0 %		46.3-178	2102717	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 27 2-4 FT  
H225001-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	3520		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102636	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.7 %	69.9-140		2102636	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			83.5 %	45.3-161		2102717	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			93.7 %	46.3-178		2102717	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 27 4.5 FT  
H225001-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>4800</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102636	JH	31-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %	69.9-140		2102636	JH	31-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.8 %	45.3-161		2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			95.8 %	46.3-178		2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 29 0-2 FT  
H225001-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>592</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102636	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102636	JH	31-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %		69.9-140	2102636	JH	31-Oct-22	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.3 %		45.3-161	2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			91.1 %		46.3-178	2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 29 2-4 FT  
H225001-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.8 %	45.3-161		2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			89.5 %	46.3-178		2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 29 E 0-2 FT  
H225001-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>5730</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.1 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.4 %	45.3-161		2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			95.8 %	46.3-178		2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 29 E 2-4 FT  
H225001-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.4 %		69.9-140	2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			83.2 %		45.3-161	2102717	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			94.1 %		46.3-178	2102717	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 29 E 4.5 FT  
H225001-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.5 %		69.9-140	2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			83.7 %		45.3-161	2102717	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			92.9 %		46.3-178	2102717	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 30 SE 0-2 FT  
H225001-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>6000</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.1 %		69.9-140	2102637	JH	30-Oct-22	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.0 %		45.3-161	2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			92.4 %		46.3-178	2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 30 SE 2-4 FT  
H225001-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>6260</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102717	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.5 %	45.3-161		2102717	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			88.9 %	46.3-178		2102717	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 30 SE 4.5 FT  
H225001-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	5060		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			74.6 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			85.6 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 33 0-2 FT  
H225001-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			75.2 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			88.9 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 33 2-4 FT  
H225001-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.5 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			72.1 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			84.3 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 34 E 0-2 FT  
H225001-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2102757	AC	27-Oct-22	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.9 %	45.3-161		2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			90.8 %	46.3-178		2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 36 0-2 FT  
H225001-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	5280		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	QM-07
----------	------	--	------	-------	---	---------	----	-----------	-----------	-------

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140 2102637 JH 30-Oct-22 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane 78.0 % 45.3-161 2102718 MS 28-Oct-22 8015B

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178 2102718 MS 28-Oct-22 8015B

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 36 2-4 FT  
H225001-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>3440</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.1 %	45.3-161		2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			87.1 %	46.3-178		2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 36 4.5 FT  
H225001-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>2160</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %	69.9-140		2102637	JH	30-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.9 %	45.3-161		2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			89.5 %	46.3-178		2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 37 0-2 FT  
H225001-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-CI-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			71.5 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			81.2 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 38 NE 0-2 FT  
H225001-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	7200		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.9 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			73.3 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			83.0 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 38 NE 2-4 FT  
H225001-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	7280		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.2 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			73.7 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			85.8 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 38 NE 4.5 FT  
H225001-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	4560		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.8 %		69.9-140	2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			70.0 %		45.3-161	2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			81.3 %		46.3-178	2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 39 N 0-2 FT  
H225001-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	720		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-CI-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.4 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			99.0 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			116 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 39 N 2-4 FT  
H225001-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	3520		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.9 %	69.9-140		2102637	JH	30-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			74.0 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			85.6 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 39 N 4.5 FT  
H225001-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1600</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102637	JH	30-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102637	JH	30-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %		69.9-140	2102637	JH	30-Oct-22	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			72.0 %		45.3-161	2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			88.2 %		46.3-178	2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 40 S 0-2 FT  
H225001-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.6 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			74.9 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			90.2 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 40 S 2-4 FT  
H225001-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.1 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			71.8 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			84.7 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 41 0-2 FT  
H225001-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.6 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			73.1 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			87.8 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 41 2-4 FT  
H225001-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>368</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.9 %		69.9-140	2102638	JH	31-Oct-22	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			69.9 %		45.3-161	2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			87.5 %		46.3-178	2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 43 SE 0-2 FT  
H225001-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.7 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			76.9 %	45.3-161		2102718	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			91.9 %	46.3-178		2102718	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 44 0-2 FT  
H225001-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1640</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.1 %		69.9-140	2102638	JH	31-Oct-22	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102718	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.1 %		45.3-161	2102718	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			84.0 %		46.3-178	2102718	MS	28-Oct-22	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 44 2-4 FT  
H225001-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			87.6 %	45.3-161		2102720	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			96.5 %	46.3-178		2102720	MS	28-Oct-22	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 44 W 0-2 FT  
H225001-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	672		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			100 %	45.3-161		2102720	MS	28-Oct-22	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			111 %	46.3-178		2102720	MS	28-Oct-22	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 44 W 2-4 FT  
H225001-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %	69.9-140		2102638	JH	31-Oct-22	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.0 %	45.3-161		2102720	MS	28-Oct-22	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			107 %	46.3-178		2102720	MS	28-Oct-22	8015B	
--------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**GS - 45 N 0-2 FT  
H225001-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	2102803	AC	28-Oct-22	4500-CI-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102638	JH	31-Oct-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102638	JH	31-Oct-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.9 %	69.9-140		2102638	JH	31-Oct-22	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102720	MS	28-Oct-22	8015B	

Surrogate: 1-Chlorooctane			96.6 %	45.3-161		2102720	MS	28-Oct-22	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			105 %	46.3-178		2102720	MS	28-Oct-22	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2102757 - 1:4 DI Water</b>										
<b>Blank (2102757-BLK1)</b> Prepared & Analyzed: 27-Oct-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2102757-BS1)</b> Prepared & Analyzed: 27-Oct-22										
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (2102757-BSD1)</b> Prepared & Analyzed: 27-Oct-22										
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
<b>Batch 2102803 - 1:4 DI Water</b>										
<b>Blank (2102803-BLK1)</b> Prepared & Analyzed: 28-Oct-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2102803-BS1)</b> Prepared & Analyzed: 28-Oct-22										
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (2102803-BSD1)</b> Prepared & Analyzed: 28-Oct-22										
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
01-Nov-22 10:07

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102636 - Volatiles****Blank (2102636-BLK1)**

Prepared: 26-Oct-22 Analyzed: 31-Oct-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	69.9-140			

**LCS (2102636-BS1)**

Prepared: 26-Oct-22 Analyzed: 30-Oct-22

Benzene	1.97	0.050	mg/kg	2.00		98.5	83.4-122			
Toluene	2.21	0.050	mg/kg	2.00		111	84.2-126			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.2-121			
m,p-Xylene	4.30	0.100	mg/kg	4.00		107	89.9-126			
o-Xylene	2.10	0.050	mg/kg	2.00		105	84.3-123			
Total Xylenes	6.39	0.150	mg/kg	6.00		107	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	69.9-140			

**LCS Dup (2102636-BS1)**

Prepared: 26-Oct-22 Analyzed: 31-Oct-22

Benzene	1.76	0.050	mg/kg	2.00		88.2	83.4-122	11.1	12.6	
Toluene	1.98	0.050	mg/kg	2.00		98.9	84.2-126	11.2	13.3	
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.0	84.2-121	11.8	13.9	
m,p-Xylene	3.79	0.100	mg/kg	4.00		94.8	89.9-126	12.5	13.6	
o-Xylene	1.86	0.050	mg/kg	2.00		92.9	84.3-123	12.2	14.1	
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	89.1-124	12.4	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	69.9-140			

**Batch 2102637 - Volatiles****Blank (2102637-BLK1)**

Prepared: 26-Oct-22 Analyzed: 30-Oct-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
01-Nov-22 10:07

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102637 - Volatiles****Blank (2102637-BLK1)**

Prepared: 26-Oct-22 Analyzed: 30-Oct-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.7	69.9-140			

**LCS (2102637-BS1)**

Prepared: 26-Oct-22 Analyzed: 30-Oct-22

Benzene	1.91	0.050	mg/kg	2.00		95.4	83.4-122			
Toluene	2.11	0.050	mg/kg	2.00		106	84.2-126			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.10	0.100	mg/kg	4.00		103	89.9-126			
o-Xylene	2.01	0.050	mg/kg	2.00		100	84.3-123			
Total Xylenes	6.11	0.150	mg/kg	6.00		102	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	69.9-140			

**LCS Dup (2102637-BSD1)**

Prepared: 26-Oct-22 Analyzed: 30-Oct-22

Benzene	1.96	0.050	mg/kg	2.00		98.1	83.4-122	2.72	12.6	
Toluene	2.16	0.050	mg/kg	2.00		108	84.2-126	2.05	13.3	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121	0.261	13.9	
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89.9-126	0.413	13.6	
o-Xylene	2.01	0.050	mg/kg	2.00		101	84.3-123	0.291	14.1	
Total Xylenes	6.13	0.150	mg/kg	6.00		102	89.1-124	0.373	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.7	69.9-140			

**Batch 2102638 - Volatiles****Blank (2102638-BLK1)**

Prepared: 26-Oct-22 Analyzed: 31-Oct-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.5	69.9-140			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102638 - Volatiles**

LCS (2102638-BS1)		Prepared: 26-Oct-22 Analyzed: 31-Oct-22								
Benzene	1.93	0.050	mg/kg	2.00		96.6	83.4-122			
Toluene	2.13	0.050	mg/kg	2.00		107	84.2-126			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	84.2-121			
m,p-Xylene	4.14	0.100	mg/kg	4.00		103	89.9-126			
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.16	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	69.9-140			

LCS Dup (2102638-BS1)		Prepared: 26-Oct-22 Analyzed: 31-Oct-22								
Benzene	1.86	0.050	mg/kg	2.00		93.1	83.4-122	3.73	12.6	
Toluene	2.09	0.050	mg/kg	2.00		105	84.2-126	2.06	13.3	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	84.2-121	2.15	13.9	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89.9-126	2.43	13.6	
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	84.3-123	3.94	14.1	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.6	89.1-124	2.92	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	69.9-140			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102717 - General Prep - Organics**

<b>Blank (2102717-BLK1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		87.9	45.3-161			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.3	46.3-178			

<b>LCS (2102717-BS1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	175	10.0	mg/kg	200		87.5	76.8-124			
DRO >C10-C28	196	10.0	mg/kg	200		98.0	74.9-127			
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	77.5-124			
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.9	45.3-161			
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	46.3-178			

<b>LCS Dup (2102717-BSD1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	167	10.0	mg/kg	200		83.6	76.8-124	4.45	17.2	
DRO >C10-C28	177	10.0	mg/kg	200		88.6	74.9-127	10.1	18.6	
Total TPH C6-C28	344	10.0	mg/kg	400		86.1	77.5-124	7.37	17.6	
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.5	45.3-161			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	46.3-178			

**Batch 2102718 - General Prep - Organics**

<b>Blank (2102718-BLK1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.3		mg/kg	50.0		80.6	45.3-161			
Surrogate: 1-Chlorooctadecane	47.1		mg/kg	50.0		94.2	46.3-178			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102718 - General Prep - Organics**

LCS (2102718-BS1)		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	207	10.0	mg/kg	200	104	76.8-124				
DRO >C10-C28	231	10.0	mg/kg	200	115	74.9-127				
Total TPH C6-C28	438	10.0	mg/kg	400	110	77.5-124				
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0	91.0	45.3-161				
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0	112	46.3-178				

LCS Dup (2102718-BS1)		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	205	10.0	mg/kg	200	102	76.8-124	1.22	17.2		
DRO >C10-C28	229	10.0	mg/kg	200	115	74.9-127	0.655	18.6		
Total TPH C6-C28	434	10.0	mg/kg	400	108	77.5-124	0.924	17.6		
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0	93.0	45.3-161				
Surrogate: 1-Chlorooctadecane	58.4		mg/kg	50.0	117	46.3-178				

**Batch 2102720 - General Prep - Organics**

Blank (2102720-BLK1)		Prepared & Analyzed: 27-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0	89.9	45.3-161				
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0	98.7	46.3-178				

LCS (2102720-BS1)		Prepared & Analyzed: 27-Oct-22								
GRO C6-C10	195	10.0	mg/kg	200	97.4	76.8-124				
DRO >C10-C28	180	10.0	mg/kg	200	90.1	74.9-127				
Total TPH C6-C28	375	10.0	mg/kg	400	93.8	77.5-124				
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0	89.3	45.3-161				
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0	104	46.3-178				

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 01-Nov-22 10:07
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102720 - General Prep - Organics**

**LCS Dup (2102720-BSD1)**

Prepared & Analyzed: 27-Oct-22

GRO C6-C10	187	10.0	mg/kg	200		93.3	76.8-124	4.35	17.2	
DRO >C10-C28	180	10.0	mg/kg	200		90.1	74.9-127	0.0649	18.6	
Total TPH C6-C28	367	10.0	mg/kg	400		91.7	77.5-124	2.20	17.6	
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	45.3-161			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	46.3-178			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Amerceder  
 Project Manager: Andrew Parker  
 Address: On File State: Zip:  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Name: 20220826-0245-water  
 Project Location: Sunoco Booster #2 10-24 TP  
 Sampler Name: Jesus Palomares

P.O. #: 20220826-0245-water  
 Company: Amerceder  
 Attn: aparker@amerceder.com  
 Address: City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H225001	1 GS-27 0-241	G	1			✓				10-24-22	8:13	Chloride
	2 GS-27 2-441										8:21	BTEX (Benzene)
	3 GS-27 4.541										8:31	TPH (GRO+DRO+MRO)
	4 GS-29 0-241										8:37	
	5 GS-29 2-441										8:47	
	6 GS-29E 0-241										9:52	
	7 GS-29E 2-441										9:01	
	8 GS-29E 4.541										9:08	
	9 GS-305E 0-241										9:20	
	10 GS-305E 2-441										9:26	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 12/22/22 Received By: [Signature] Date: 12/22/22  
 Time: 10:40 Received By: [Signature]  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One) Observed Temp. °C: 2.42 Sample Condition:  Intact  Cool  Yes  No  
 Corrected Temp. °C: 1.82 Checked BY: [Signature]  
 Sampler - UPS - Bus - Other:    Turnaround Time: Standard  Rush   
 Thermometer ID #113 Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  
 Correction Factor -0.6°C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Amerelev <b>Project Manager:</b> Andrew Parker <b>Address:</b> On-File <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> 20220826-0245-water <b>Project Location:</b> Suroco Booster # JP 10-24 <b>Sampler Name:</b> Jesus Palomas		<b>BILL TO</b> <b>P.O. #:</b> 20220826-0245-water <b>Company:</b> Amerelev <b>Attn:</b> a.parker@amerelev.com <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #:		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV</b> ACID/BASE: ICE / COOL OTHER:	
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>DATE</b>	
H225001 11 GS-305E 4.5ft 12 GS-33 0-2ft 13 GS-33 2-4ft 14 GS-34E 0-2ft 15 GS-36 0-2ft 16 GS-36 2-4ft 17 GS-36 4.5ft 18 GS-37 0-2ft 19 GS-38NE 0-2ft 20 GS-38NE 2-4ft		(G)RAB OR (C)OMP. # CONTAINERS ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		10-24-22 9:32 9:42 9:48 9:57 10:07 10:17 10:22 10:28 10:33 10:41	
Chloride TPH (GRO+ DRO+ MRO) BTEX (Benzene)					

PLEASE NOTE: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

**Relinquished By:** [Signature] **Date:** 10-24-22 **Time:** 10:40  
**Received By:** [Signature]

**Delivered By:** (Circle One) Observed Temp. °C: 24.0  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 1.82  
 Sample Condition: Cool Intact  
 Yes  No

**Checked By:** [Signature]  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 Bacteria (only) Sample Condition  
 Correction Factor -0.6°C Cool Intact  Observed Temp. °C  
 Yes  No  No  No Corrected Temp. °C

**Remarks:** Verbal Result:  Yes  No Add'l Phone #: All Results are emailed. Please provide Email address:

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amerder  
 Project Manager: Andrew Parker  
 Address: On-File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220826-0245-water  
 Project Location: Sunaco Booster #2 JP 10-24  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220826-0245-water  
 Company: Amerder  
 Attn: aparker@amerder.com  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		DATE	TIME	ANALYSIS
		(G)RAB OR (C)OMP.	# CONTAINERS			
H225001	G5-38WE 4.5H	G	1	10-24-22	10:47	Chloride
21	G5-39N 0-2H	G	1	10-24-22	10:58	TPH (GRO+DRO+MRO)
22	G5-39N 2-4H	G	1	10-24-22	11:07	BTEX (Benzene)
23	G5-39N 4.5H	G	1	10-24-22	11:15	
24	G5-40S 0-2H	G	1	10-24-22	11:28	
25	G5-40S 2-4H	G	1	10-24-22	11:36	
26	G5-41 0-2H	G	1	10-24-22	11:47	
27	G5-41 2-4H	G	1	10-24-22	11:52	
28	G5-43SE 0-2H	G	1	10-24-22	12:01	
29	G5-44 0-2H	G	1	10-24-22	12:10	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 10-24-22 Time: 10:40  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 24.2 Sample Condition  Intact  Cool  Intact  Corrected Temp. °C 1.8  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 CHECKED BY: [Signature]  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only)  Cool  Intact  Corrected Temp. °C \_\_\_\_\_  
 Correction Factor -0.6°C  Yes  No  Yes  No



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: *Amerdel*  
 Project Manager: *Andrew Parker*  
 Address: *On-File* State: Zip:  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Name: *20220826-0245-water*  
 Project Location: *Sumo Booster #2 JP 10-24*  
 Sampler Name: *Jesus Palomares*

P.O. #: *20220826-0245-water*  
 Company: *Amerdel*  
 Attn: *aparker@amerdel.com*  
 Address: City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<i>H225001</i>	<i>31 GS-44</i>	<i>2-4 FI</i>	<i>9 1</i>								<i>10-24-22</i>	<i>12:17</i>	<i>Chloride</i>
	<i>32 GS-44 W</i>	<i>0-2 FI</i>										<i>12:32</i>	<i>TPH (GRO+DRO+MRO)</i>
	<i>33 GS-44 W</i>	<i>2-4 FI</i>										<i>12:39</i>	<i>BTEX (Benzene)</i>
	<i>34 GS-45 W</i>	<i>0-2 FI</i>										<i>12:51</i>	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: *10-24-22* Time: *10:40*  
 Received By: *[Signature]* Date: *10-24-22* Time: *10:40*  
 Verbal Result:  Yes  No Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One) Observed Temp. °C: *24.2* Sample Condition:  Intact  Cool  Yes  No  
 Corrected Temp. °C: *18.2* Checked By: *[Signature]* (Initials)  
 Sampler - UPS - Bus - Other: Turnaround Time: Standard  Rush   
 Thermometer ID #113 Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  
 Correction Factor -0.6°C Observed Temp. °C: *24.2* Corrected Temp. °C: *18.2*

† Cardinal cannot accept verbal changes. Please email changes to *celey.keene@cardinallabsnm.com*



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 02, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/25/22 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 01 2FT	H225018-01	Soil	25-Oct-22 08:34	25-Oct-22 15:37
GS - 01 S 0-2FT	H225018-02	Soil	25-Oct-22 08:52	25-Oct-22 15:37
GS - 02 2FT	H225018-03	Soil	25-Oct-22 09:02	25-Oct-22 15:37
GS - 02 E 0-2FT	H225018-04	Soil	25-Oct-22 09:10	25-Oct-22 15:37
GS - 03 2FT	H225018-05	Soil	25-Oct-22 09:15	25-Oct-22 15:37
GS - 04 0.5-2FT	H225018-06	Soil	25-Oct-22 09:27	25-Oct-22 15:37
GS - 04 2-3FT	H225018-07	Soil	25-Oct-22 09:33	25-Oct-22 15:37
GS - 04 W 0-2FT	H225018-08	Soil	25-Oct-22 09:44	25-Oct-22 15:37
GS - 05 2FT	H225018-09	Soil	25-Oct-22 09:51	25-Oct-22 15:37
GS - 06 2FT	H225018-10	Soil	25-Oct-22 09:59	25-Oct-22 15:37
GS - 07 2FT	H225018-11	Soil	25-Oct-22 10:05	25-Oct-22 15:37
GS - 08 2FT	H225018-12	Soil	25-Oct-22 10:12	25-Oct-22 15:37
GS - 12 2FT	H225018-13	Soil	25-Oct-22 10:22	25-Oct-22 15:37
GS - 13 2FT	H225018-14	Soil	25-Oct-22 10:30	25-Oct-22 15:37
GS - 18 4.25FT	H225018-15	Soil	25-Oct-22 10:41	25-Oct-22 15:37
GS - 19 4.25FT	H225018-16	Soil	25-Oct-22 10:50	25-Oct-22 15:37
GS - 19 E 0-2FT	H225018-17	Soil	25-Oct-22 11:01	25-Oct-22 15:37
GS - 19 E 2-4FT	H225018-18	Soil	25-Oct-22 11:06	25-Oct-22 15:37
GS - 19 E 4.25FT	H225018-19	Soil	25-Oct-22 11:10	25-Oct-22 15:37
GS - 20 4.25FT	H225018-20	Soil	25-Oct-22 11:17	25-Oct-22 15:37
GS - 20 W 0-2FT	H225018-21	Soil	25-Oct-22 11:22	25-Oct-22 15:37
GS - 20 W 2-4FT	H225018-22	Soil	25-Oct-22 11:28	25-Oct-22 15:37
GS - 20 W 4.25FT	H225018-23	Soil	25-Oct-22 11:31	25-Oct-22 15:37
GS - 21 4.25FT	H225018-24	Soil	25-Oct-22 11:35	25-Oct-22 15:37
GS - 22 4.25FT	H225018-25	Soil	25-Oct-22 11:40	25-Oct-22 15:37
GS - 22 E 0-2FT	H225018-26	Soil	25-Oct-22 11:47	25-Oct-22 15:37
GS - 22 E 2-4FT	H225018-27	Soil	25-Oct-22 11:51	25-Oct-22 15:37

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

GS - 22 E 4.25FT	H225018-28	Soil	25-Oct-22 11:54	25-Oct-22 15:37
GS - 23 4.25FT	H225018-29	Soil	25-Oct-22 12:02	25-Oct-22 15:37
GS - 24 4.25FT	H225018-30	Soil	25-Oct-22 12:11	25-Oct-22 15:37
GS - 25 4.25FT	H225018-31	Soil	25-Oct-22 12:20	25-Oct-22 15:37
GS - 26 0-2FT	H225018-32	Soil	25-Oct-22 12:27	25-Oct-22 15:37
GS - 26 2-4FT	H225018-33	Soil	25-Oct-22 12:35	25-Oct-22 15:37
GS - 26 4.5FT	H225018-34	Soil	25-Oct-22 12:50	25-Oct-22 15:37
GS - 26 N 0-2FT	H225018-35	Soil	25-Oct-22 12:59	25-Oct-22 15:37

11/02/22 - Client changed the sample IDs on -17, -18 and -19 (See COC). This is the revised report and will replace the one sent earlier today, 11/02/22.

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 01 2FT**  
**H225018-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			92.9 %	45.3-161		2102736	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			100 %	46.3-178		2102736	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Surrogate: Dibromofluoromethane			98.0 %	86.7-111		2102727	MS	01-Nov-22	8260B	
Surrogate: Toluene-d8			93.3 %	89.3-110		2102727	MS	01-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			104 %	88.2-108		2102727	MS	01-Nov-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 01 S 0-2FT**  
**H225018-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102736	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			99.8 %	45.3-161		2102736	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3-178		2102736	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	01-Nov-22	8260B	
Surrogate: Dibromofluoromethane			97.5 %	86.7-111		2102727	MS	01-Nov-22	8260B	
Surrogate: Toluene-d8			91.9 %	89.3-110		2102727	MS	01-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	88.2-108		2102727	MS	01-Nov-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 02 2FT**  
**H225018-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			99.4 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			109 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Surrogate: Dibromofluoromethane			97.4 %	86.7-111		2102727	MS	02-Nov-22	8260B	
Surrogate: Toluene-d8			95.1 %	89.3-110		2102727	MS	02-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			104 %	88.2-108		2102727	MS	02-Nov-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 02 E 0-2FT****H225018-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			93.8 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			103 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Surrogate: Dibromofluoromethane			98.1 %	86.7-111		2102727	MS	02-Nov-22	8260B	
Surrogate: Toluene-d8			94.6 %	89.3-110		2102727	MS	02-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	88.2-108		2102727	MS	02-Nov-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 03 2FT**  
**H225018-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			98.5 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Surrogate: Dibromofluoromethane			97.4 %	86.7-111		2102727	MS	02-Nov-22	8260B	
Surrogate: Toluene-d8			93.6 %	89.3-110		2102727	MS	02-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			102 %	88.2-108		2102727	MS	02-Nov-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 04 0.5-2FT****H225018-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	5120		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			93.1 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102727	MS	02-Nov-22	8260B	
Surrogate: Dibromofluoromethane			97.5 %	86.7-111		2102727	MS	02-Nov-22	8260B	
Surrogate: Toluene-d8			95.5 %	89.3-110		2102727	MS	02-Nov-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	88.2-108		2102727	MS	02-Nov-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 04 2-3FT**  
**H225018-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	8660		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			101 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			97.7 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			102 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.5 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 04 W 0-2FT****H225018-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			96.8 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			106 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.7 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.6 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 05 2FT  
H225018-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			87.4 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			96.5 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.7 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.9 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.9 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 06 2FT  
H225018-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			96.0 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			104 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.8 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.9 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 07 2FT**  
**H225018-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	2102728	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			96.5 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			106 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.7 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			100 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.0 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 08 2FT**  
**H225018-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			86.7 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			93.9 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			96.2 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			98.0 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.1 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 12 2FT  
H225018-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			100 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			96.4 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.5 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.5 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 13 2FT**  
**H225018-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			76.3 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			82.9 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	83.7-114		2102151	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			100 %	95.3-107		2102151	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.6 %	50.9-150		2102151	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 18 4.25FT****H225018-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	

Surrogate: 1-Chlorooctane

103 % 45.3-161

2102737

MS

29-Oct-22

8015B

Surrogate: 1-Chlorooctadecane

110 % 46.3-178

2102737

MS

29-Oct-22

8015B

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102151	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102151	MS	28-Oct-22	8260B	

Surrogate: Dibromofluoromethane

98.2 % 83.7-114

2102151

MS

28-Oct-22

8260B

Surrogate: Toluene-d8

101 % 95.3-107

2102151

MS

28-Oct-22

8260B

Surrogate: 4-Bromofluorobenzene

97.3 % 50.9-150

2102151

MS

28-Oct-22

8260B

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 19 4.25FT**  
**H225018-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	4560		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			87.6 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			95.6 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			103 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.8 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 19 E 0-2FT  
H225018-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			103 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			113 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			99.4 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.1 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 19 E 2-4FT  
H225018-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1100</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			108 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			121 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			97.3 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.8 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.4 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 19 E 4.25FT****H225018-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	2120		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	

Surrogate: 1-Chlorooctane

101 % 45.3-161

2102737

MS

29-Oct-22

8015B

Surrogate: 1-Chlorooctadecane

110 % 46.3-178

2102737

MS

29-Oct-22

8015B

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	

Surrogate: Dibromofluoromethane

98.1 % 83.7-114

2102729

MS

28-Oct-22

8260B

Surrogate: Toluene-d8

100 % 95.3-107

2102729

MS

28-Oct-22

8260B

Surrogate: 4-Bromofluorobenzene

96.6 % 50.9-150

2102729

MS

28-Oct-22

8260B

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 20 4.25FT  
H225018-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1100</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			101 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			111 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			99.2 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.8 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 20 W 0-2FT**  
**H225018-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			98.4 %	45.3-161		2102737	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			106 %	46.3-178		2102737	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			103 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			102 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.2 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 20 W 2-4FT**  
**H225018-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102737	MS	29-Oct-22	8015B	

Surrogate: 1-Chlorooctane 104 % 45.3-161 2102737 MS 29-Oct-22 8015B

Surrogate: 1-Chlorooctadecane 112 % 46.3-178 2102737 MS 29-Oct-22 8015B

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	

Surrogate: Dibromofluoromethane 97.3 % 83.7-114 2102729 MS 28-Oct-22 8260B

Surrogate: Toluene-d8 102 % 95.3-107 2102729 MS 28-Oct-22 8260B

Surrogate: 4-Bromofluorobenzene 97.6 % 50.9-150 2102729 MS 28-Oct-22 8260B

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 20 W 4.25FT****H225018-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			87.2 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			99.3 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			98.0 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			102 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 21 4.25FT****H225018-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	352		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			95.5 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			111 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			96.8 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.4 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			100 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 22 4.25FT****H225018-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			92.9 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			97.3 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.7 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 22 E 0-2FT**  
**H225018-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>608</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			75.9 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			88.1 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			94.6 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			98.2 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.0 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 22 E 2-4FT  
H225018-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>704</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			85.4 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			99.0 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

**S-04**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			93.4 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 22 E 4.25FT****H225018-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			90.4 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			105 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			99.9 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			95.9 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.2 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 23 4.25FT****H225018-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>288</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	

Surrogate: 1-Chlorooctane 80.6 % 45.3-161 2102738 MS 29-Oct-22 8015B

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178 2102738 MS 29-Oct-22 8015B

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	

Surrogate: Dibromofluoromethane 104 % 83.7-114 2102729 MS 28-Oct-22 8260B

Surrogate: Toluene-d8 97.3 % 95.3-107 2102729 MS 28-Oct-22 8260B

Surrogate: 4-Bromofluorobenzene 100 % 50.9-150 2102729 MS 28-Oct-22 8260B

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 24 4.25FT****H225018-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1880</b>		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			97.4 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			114 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			100 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			97.2 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.8 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 25 4.25FT****H225018-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	3600		16.0	mg/kg	4	2102810	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			93.3 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			113 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			103 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			96.2 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 26 0-2FT**  
**H225018-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	800		16.0	mg/kg	4	2102760	AC	28-Oct-22	4500-Cl-B	QM-07
----------	-----	--	------	-------	---	---------	----	-----------	-----------	-------

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	

Surrogate: 1-Chlorooctane

83.0 % 45.3-161

2102738

MS

29-Oct-22

8015B

Surrogate: 1-Chlorooctadecane

96.2 % 46.3-178

2102738

MS

29-Oct-22

8015B

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	

Surrogate: Dibromofluoromethane

104 % 83.7-114

2102729

MS

28-Oct-22

8260B

Surrogate: Toluene-d8

103 % 95.3-107

2102729

MS

28-Oct-22

8260B

Surrogate: 4-Bromofluorobenzene

98.6 % 50.9-150

2102729

MS

28-Oct-22

8260B

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 26 2-4FT**  
**H225018-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2102760	AC	28-Oct-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			89.1 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			106 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			98.7 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			100 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**GS - 26 4.5FT**  
**H225018-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	2102760	AC	28-Oct-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			92.7 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			107 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			101 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			98.4 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			100 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**GS - 26 N 0-2FT  
H225018-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2102760	AC	28-Oct-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctane			80.8 %	45.3-161		2102738	MS	29-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			93.5 %	46.3-178		2102738	MS	29-Oct-22	8015B	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2102729	MS	28-Oct-22	8260B	
Surrogate: Dibromofluoromethane			99.8 %	83.7-114		2102729	MS	28-Oct-22	8260B	
Surrogate: Toluene-d8			96.2 %	95.3-107		2102729	MS	28-Oct-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	50.9-150		2102729	MS	28-Oct-22	8260B	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102728 - 1:4 DI Water**

<b>Blank (2102728-BLK1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2102728-BS1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (2102728-BSD1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

**Batch 2102760 - 1:4 DI Water**

<b>Blank (2102760-BLK1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2102760-BS1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2102760-BSD1)</b>				Prepared & Analyzed: 27-Oct-22						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 2102810 - 1:4 DI Water**

<b>Blank (2102810-BLK1)</b>				Prepared & Analyzed: 28-Oct-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2102810-BS1)</b>				Prepared & Analyzed: 28-Oct-22						
Chloride	432	16.0	mg/kg	400		108	80-120			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102810 - 1:4 DI Water**

**LCS Dup (2102810-BSD1)**

Prepared & Analyzed: 28-Oct-22

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102736 - General Prep - Organics**

<b>Blank (2102736-BLK1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.8	45.3-161			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	46.3-178			

<b>LCS (2102736-BS1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	198	10.0	mg/kg	200		98.8	76.8-124			
DRO >C10-C28	182	10.0	mg/kg	200		91.2	74.9-127			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	77.5-124			
Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	45.3-161			
Surrogate: 1-Chlorooctadecane	61.2		mg/kg	50.0		122	46.3-178			

<b>LCS Dup (2102736-BSD1)</b>		Prepared: 27-Oct-22 Analyzed: 28-Oct-22								
GRO C6-C10	193	10.0	mg/kg	200		96.4	76.8-124	2.42	17.2	
DRO >C10-C28	167	10.0	mg/kg	200		83.7	74.9-127	8.63	18.6	
Total TPH C6-C28	360	10.0	mg/kg	400		90.0	77.5-124	5.36	17.6	
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	45.3-161			
Surrogate: 1-Chlorooctadecane	62.4		mg/kg	50.0		125	46.3-178			

**Batch 2102737 - General Prep - Organics**

<b>Blank (2102737-BLK1)</b>		Prepared: 27-Oct-22 Analyzed: 29-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	45.3-161			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	46.3-178			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102737 - General Prep - Organics**

LCS (2102737-BS1)		Prepared: 27-Oct-22 Analyzed: 29-Oct-22								
GRO C6-C10	240	10.0	mg/kg	200	120	76.8-124				
DRO >C10-C28	236	10.0	mg/kg	200	118	74.9-127				
Total TPH C6-C28	476	10.0	mg/kg	400	119	77.5-124				
Surrogate: 1-Chlorooctane	65.6		mg/kg	50.0	131	45.3-161				
Surrogate: 1-Chlorooctadecane	77.3		mg/kg	50.0	155	46.3-178				

LCS Dup (2102737-BS1)		Prepared: 27-Oct-22 Analyzed: 29-Oct-22								
GRO C6-C10	204	10.0	mg/kg	200	102	76.8-124	16.0	17.2		
DRO >C10-C28	179	10.0	mg/kg	200	89.6	74.9-127	27.4	18.6		QR-04
Total TPH C6-C28	384	10.0	mg/kg	400	95.9	77.5-124	21.5	17.6		QR-04
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0	118	45.3-161				
Surrogate: 1-Chlorooctadecane	63.2		mg/kg	50.0	126	46.3-178				

**Batch 2102738 - General Prep - Organics**

Blank (2102738-BLK1)		Prepared: 27-Oct-22 Analyzed: 29-Oct-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0	82.3	45.3-161				
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0	95.7	46.3-178				

LCS (2102738-BS1)		Prepared: 27-Oct-22 Analyzed: 29-Oct-22								
GRO C6-C10	193	10.0	mg/kg	200	96.5	76.8-124				
DRO >C10-C28	193	10.0	mg/kg	200	96.4	74.9-127				
Total TPH C6-C28	386	10.0	mg/kg	400	96.5	77.5-124				
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0	93.5	45.3-161				
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0	113	46.3-178				

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 02-Nov-22 14:45
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102738 - General Prep - Organics**

**LCS Dup (2102738-BSD1)**

Prepared: 27-Oct-22 Analyzed: 29-Oct-22

GRO C6-C10	211	10.0	mg/kg	200	105	76.8-124	8.67	17.2		
DRO >C10-C28	235	10.0	mg/kg	200	117	74.9-127	19.7	18.6		QR-04
Total TPH C6-C28	445	10.0	mg/kg	400	111	77.5-124	14.4	17.6		
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0	95.6	45.3-161				
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0	119	46.3-178				

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**Volatile Organic Compounds by EPA Method 8260B - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102151 - Volatiles****Blank (2102151-BLK1)**

Prepared: 21-Oct-22 Analyzed: 28-Oct-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.20		mg/kg	1.25		95.8	83.7-114			
Surrogate: Toluene-d8	1.25		mg/kg	1.25		99.8	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		100	50.9-150			

**LCS (2102151-BS1)**

Prepared: 21-Oct-22 Analyzed: 28-Oct-22

Benzene	2.03	0.025	mg/kg	2.00		101	70.2-121			
Toluene	2.08	0.025	mg/kg	2.00		104	76.9-126			
Ethylbenzene	2.01	0.025	mg/kg	2.00		100	79.1-124			
m+p - Xylene	4.14	0.050	mg/kg	4.00		104	80.8-134			
o-Xylene	2.11	0.025	mg/kg	2.00		106	79-130			
Total Xylenes	6.25	0.075	mg/kg	6.00		104	80.5-132			
Surrogate: Dibromofluoromethane	1.20		mg/kg	1.25		96.2	83.7-114			
Surrogate: Toluene-d8	1.27		mg/kg	1.25		102	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.18		mg/kg	1.25		94.1	50.9-150			

**LCS Dup (2102151-BSD1)**

Prepared: 21-Oct-22 Analyzed: 28-Oct-22

Benzene	1.95	0.025	mg/kg	2.00		97.4	70.2-121	3.87	9.42	
Toluene	1.97	0.025	mg/kg	2.00		98.4	76.9-126	5.55	10	
Ethylbenzene	1.93	0.025	mg/kg	2.00		96.6	79.1-124	3.78	10	
m+p - Xylene	4.03	0.050	mg/kg	4.00		101	80.8-134	2.76	9.6	
Total Xylenes	6.01	0.075	mg/kg	6.00		100	80.5-132	3.91	9.26	
o-Xylene	1.98	0.025	mg/kg	2.00		99.2	79-130	6.20	8.93	
Surrogate: Dibromofluoromethane	1.17		mg/kg	1.25		93.8	83.7-114			
Surrogate: Toluene-d8	1.24		mg/kg	1.25		99.0	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.23		mg/kg	1.25		98.3	50.9-150			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**Volatile Organic Compounds by EPA Method 8260B - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102727 - Volatiles****Blank (2102727-BLK1)**

Prepared: 27-Oct-22 Analyzed: 01-Nov-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.26		mg/kg	1.25		101	86.7-111			
Surrogate: Toluene-d8	1.17		mg/kg	1.25		93.7	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.30		mg/kg	1.25		104	88.2-108			

**LCS (2102727-BS1)**

Prepared: 27-Oct-22 Analyzed: 01-Nov-22

Benzene	0.490	0.025	mg/kg	0.500		98.1	70.2-121			
Toluene	0.470	0.025	mg/kg	0.500		94.0	76.9-126			
Ethylbenzene	0.489	0.025	mg/kg	0.500		97.9	79.1-124			
m+p - Xylene	0.957	0.050	mg/kg	1.00		95.7	80.8-134			
Total Xylenes	1.47	0.075	mg/kg	1.50		97.9	80.5-132			
o-Xylene	0.512	0.025	mg/kg	0.500		102	79-130			
Surrogate: Dibromofluoromethane	1.26		mg/kg	1.25		101	86.7-111			
Surrogate: Toluene-d8	1.18		mg/kg	1.25		94.8	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		104	88.2-108			

**LCS Dup (2102727-BSD1)**

Prepared: 27-Oct-22 Analyzed: 01-Nov-22

Benzene	0.473	0.025	mg/kg	0.500		94.5	70.2-121	3.71	11.1	
Toluene	0.457	0.025	mg/kg	0.500		91.4	76.9-126	2.72	12.2	
Ethylbenzene	0.472	0.025	mg/kg	0.500		94.3	79.1-124	3.71	12.3	
m+p - Xylene	0.929	0.050	mg/kg	1.00		92.9	80.8-134	2.89	11.5	
Total Xylenes	1.42	0.075	mg/kg	1.50		94.8	80.5-132	3.27	11.7	
o-Xylene	0.492	0.025	mg/kg	0.500		98.5	79-130	3.98	12.3	
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.2	86.7-111			
Surrogate: Toluene-d8	1.19		mg/kg	1.25		95.1	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	88.2-108			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

**Volatile Organic Compounds by EPA Method 8260B - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102729 - Volatiles****Blank (2102729-BLK1)**

Prepared: 27-Oct-22 Analyzed: 28-Oct-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.28		mg/kg	1.25		102	83.7-114			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.23		mg/kg	1.25		98.6	50.9-150			

**LCS (2102729-BS1)**

Prepared: 27-Oct-22 Analyzed: 28-Oct-22

Benzene	1.95	0.025	mg/kg	2.00		97.7	70.2-121			
Toluene	1.95	0.025	mg/kg	2.00		97.7	76.9-126			
Ethylbenzene	1.95	0.025	mg/kg	2.00		97.6	79.1-124			
m+p - Xylene	4.07	0.050	mg/kg	4.00		102	80.8-134			
o-Xylene	2.00	0.025	mg/kg	2.00		100	79-130			
Total Xylenes	6.07	0.075	mg/kg	6.00		101	80.5-132			
Surrogate: Dibromofluoromethane	1.21		mg/kg	1.25		96.5	83.7-114			
Surrogate: Toluene-d8	1.24		mg/kg	1.25		99.1	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.8	50.9-150			

**LCS Dup (2102729-BSD1)**

Prepared: 27-Oct-22 Analyzed: 28-Oct-22

Benzene	1.98	0.025	mg/kg	2.00		98.9	70.2-121	1.23	9.42	
Toluene	2.00	0.025	mg/kg	2.00		100	76.9-126	2.61	10	
Ethylbenzene	1.94	0.025	mg/kg	2.00		97.0	79.1-124	0.591	10	
m+p - Xylene	4.11	0.050	mg/kg	4.00		103	80.8-134	1.08	9.6	
Total Xylenes	6.18	0.075	mg/kg	6.00		103	80.5-132	1.78	9.26	
o-Xylene	2.06	0.025	mg/kg	2.00		103	79-130	3.18	8.93	
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		98.8	83.7-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	95.3-107			
Surrogate: 4-Bromofluorobenzene	1.20		mg/kg	1.25		95.8	50.9-150			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
02-Nov-22 14:45

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <u>Amerdev</u> Project Manager: <u>Andrew Parker</u> Address: <u>On-File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220826-0245-water</u> Project Location: <u>Sunoco Booster</u> Sampler Name: <u>Jesus Palomares</u>		<b>BILL TO</b> P.O. #: <u>20220826-0245-water</u> Company: <u>Amerdev</u> Attn: <u>aparker@amerdev.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____		MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	
(G)RAB OR (C)OMP. _____ # CONTAINERS _____ DATE _____ TIME _____		SAMPLING DATE _____ TIME _____	
1 GS-01 2ft 2 GS-015 0-2ft 3 GS-02 2ft 4 GS-02E 0-2ft 5 GS-03 2ft 6 GS-04 0.5-2ft 7 GS-04 2-3ft 8 GS-04W 0-2ft 9 GS-05 2ft 10 GS-06 2ft		ANALYSIS REQUEST Chloride TPH (GRO+DRB+MRO) BTEX (Benzene)	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 02/28/23 Received By: Spedrigent  
 Relinquished By: \_\_\_\_\_ Date: 1/5/23 Received By: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C: 8.0 Sample Condition: Intact CHECKED BY: (initials)  
 Corrected Temp. °C: 7.4  Yes  No  
 Sampler - UPS - Bus - Other: \_\_\_\_\_

Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only)  Cool Intact  Sample Condition   
 Correction Factor -0.6°C  Yes  No  Observed Temp. °C \_\_\_\_\_  
 Corrected Temp. °C \_\_\_\_\_

Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

REMARKS: \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> <u>Amerelder</u> <b>Project Manager:</b> <u>Andrew Parker</u> <b>Address:</b> <u>On-File</u> <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> _____ <b>Project Owner:</b> _____ <b>Project Name:</b> <u>20220826-0245-water</u> <b>Project Location:</b> <u>Sunoco Booster</u> <b>Sampler Name:</b> <u>Jesus Palomares</u>		<b>BILL TO</b> <b>P.O. #:</b> <u>20220826-0245-water</u> <b>Company:</b> <u>Amerelder</u> <b>Attn:</b> <u>aparker@am.enerdev.com</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.:</b> _____ <b>Sample I.D.:</b> _____ <u>H225018</u>		<b>MATRIX</b> GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> _____ OIL _____ SLUDGE _____ OTHER: _____ <b>ACID/BASE:</b> _____ <b>ICE / COOL</b> _____ OTHER: _____	
PLEASE NOTE: Liability and damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		<b>PRESERV.</b> _____ <b>SAMPLING</b> _____	
(G)RAB OR (C)OMP. _____ # CONTAINERS _____ DATE _____ TIME _____		ANALYSIS REQUEST Chloride <input checked="" type="checkbox"/> _____ TPH (GRO+DRO+MRO) <input checked="" type="checkbox"/> _____ BTEX (Benzene) <input checked="" type="checkbox"/> _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: <u>8.0°C</u> Corrected Temp. °C: <u>7.4°C</u> Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <u>[Signature]</u> (Initials)		Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.6°C Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition: _____ Observed Temp. °C: _____ Corrected Temp. °C: _____	
Relinquished By: <u>[Signature]</u> Date: <u>10/25/22</u> Time: <u>15:37</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____		REMARKS: _____	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Amerceder <b>Project Manager:</b> Andrew Parker <b>Address:</b> On-File <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> 20020826-0245-water <b>Project Location:</b> Sunco Booster <b>Sampler Name:</b> Jesus Palomares		<b>P.O. #:</b> 20020826-0245-water <b>Company:</b> Amerceder <b>Attn:</b> aparker@amerceder.com <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>BILL TO</b>			
<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> HZ5018 <b>Sample I.D.</b>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
		MATRIX PRESERV SAMPLING	
21 GS-20W 0-2ft 20 GS-20W 2-4ft 23 GS-20W 4.25ft 24 GS-21 4.25ft 25 GS-22 4.25ft 26 GS-22E 0-2ft 27 GS-22E 2-4ft 28 GS-22E 4.25ft 29 GS-23 4.25ft 30 GS-24 4.25ft		DATE TIME	
		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)	
Relinquished By: [Signature] Date: 10-25-22 Time: 15:37 Received By: [Signature] Date: [Blank] Time: [Blank]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One) UPS - Bus - Other:		Observed Temp. °C: 8.0°C Corrected Temp. °C: 7.4°C Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: [Signature] (Initials)	
Turnaround Time: [Blank] Thermometer ID #113 Correction Factor -0.6°C		Standard <input checked="" type="checkbox"/> <b>Rush</b> Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: [Blank] Corrected Temp. °C: [Blank]	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Amerede <b>Project Manager:</b> Andrew Parker <b>Address:</b> On-File <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> _____ <b>Project Owner:</b> _____ <b>Project Name:</b> 20220226-0245-water <b>Project Location:</b> Sunco Booster <b>Sampler Name:</b> Jesus Palomares		<b>BILL TO</b> <b>P.O. #:</b> 20220226-0245-water <b>Company:</b> Amerede <b>Attn:</b> aparker@amerede.com <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> H225018 <b>Sample I.D.</b>		(G)RAB OR (C)OMP # CONTAINERS: 9	MATRIX: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV: ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE: 10-25-22 TIME: 12:20
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		31 GS-25 4,25ft 32 GS-26 0-2ft 33 GS-26 2-4ft 34 GS-26 4,5ft 35 GS-26N 0-2ft	↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓
<b>Relinquished By:</b> <i>Jm Palm</i> <b>Relinquished By:</b> _____ <b>Date:</b> 10/25/22 <b>Time:</b> 15:37 <b>Received By:</b> <i>Spodigners</i> <b>Received By:</b> _____ <b>Date:</b> _____ <b>Time:</b> _____		<b>REMARKS:</b> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:			
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 8.0°C Corrected Temp. °C: 7.4°C	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>(initials)</i>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 09, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/26/22 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 09-Nov-22 11:14
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SUNOCO BACKFILL 01	H225056-01	Soil	26-Oct-22 15:10	26-Oct-22 16:26

11/09/22 - Client requested a rerun of the TPH. This is the revised report and will replace the one sent on 11/02/22.

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 09-Nov-22 11:14
--	---	------------------------------

**SUNOCO BACKFILL 01  
H225056-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2103101	AC	31-Oct-22	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2102816	JH	02-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2102816	JH	02-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2102816	JH	02-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2102816	JH	02-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2102816	JH	02-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			88.2 %		69.9-140	2102816	JH	02-Nov-22	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2102749	MS	02-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102749	MS	02-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102749	MS	02-Nov-22	8015B	

Surrogate: 1-Chlorooctane			79.4 %		45.3-161	2102749	MS	02-Nov-22	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			90.0 %		46.3-178	2102749	MS	02-Nov-22	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 09-Nov-22 11:14
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2103101 - 1:4 DI Water</b>										
<b>Blank (2103101-BLK1)</b>										
Prepared & Analyzed: 31-Oct-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2103101-BS1)</b>										
Prepared & Analyzed: 31-Oct-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2103101-BSD1)</b>										
Prepared & Analyzed: 31-Oct-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO BOOSTER  
Project Number: 20220826-0245-WATER  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
09-Nov-22 11:14

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102816 - Volatiles****Blank (2102816-BLK1)**

Prepared: 28-Oct-22 Analyzed: 02-Nov-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		85.2	69.9-140			

**LCS (2102816-BS1)**

Prepared: 28-Oct-22 Analyzed: 02-Nov-22

Benzene	1.86	0.050	mg/kg	2.00		92.9	83.4-122			
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	84.2-121			
m,p-Xylene	4.26	0.100	mg/kg	4.00		106	89.9-126			
o-Xylene	2.01	0.050	mg/kg	2.00		100	84.3-123			
Total Xylenes	6.26	0.150	mg/kg	6.00		104	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0425		mg/kg	0.0500		85.1	69.9-140			

**LCS Dup (2102816-BSD1)**

Prepared: 28-Oct-22 Analyzed: 02-Nov-22

Benzene	1.80	0.050	mg/kg	2.00		90.0	83.4-122	3.21	12.6	
Toluene	2.01	0.050	mg/kg	2.00		101	84.2-126	3.24	13.3	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.5	84.2-121	3.58	13.9	
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89.9-126	3.43	13.6	
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	84.3-123	3.31	14.1	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	89.1-124	3.40	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0427		mg/kg	0.0500		85.4	69.9-140			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Caley D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO BOOSTER Project Number: 20220826-0245-WATER Project Manager: ANDREW PARKER Fax To:	Reported: 09-Nov-22 11:14
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2102749 - General Prep - Organics**

**Blank (2102749-BLK1)**

Prepared: 27-Oct-22 Analyzed: 31-Oct-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.4		mg/kg	50.0		113	45.3-161			
Surrogate: 1-Chlorooctadecane	66.6		mg/kg	50.0		133	46.3-178			

**LCS (2102749-BS1)**

Prepared: 27-Oct-22 Analyzed: 31-Oct-22

GRO C6-C10	167	10.0	mg/kg	200		83.6	76.8-124			
DRO >C10-C28	175	10.0	mg/kg	200		87.4	74.9-127			
Total TPH C6-C28	342	10.0	mg/kg	400		85.5	77.5-124			
Surrogate: 1-Chlorooctane	60.8		mg/kg	50.0		122	45.3-161			
Surrogate: 1-Chlorooctadecane	70.7		mg/kg	50.0		141	46.3-178			

**LCS Dup (2102749-BSD1)**

Prepared: 27-Oct-22 Analyzed: 31-Oct-22

GRO C6-C10	166	10.0	mg/kg	200		82.8	76.8-124	0.952	17.2	
DRO >C10-C28	176	10.0	mg/kg	200		87.8	74.9-127	0.439	18.6	
Total TPH C6-C28	341	10.0	mg/kg	400		85.3	77.5-124	0.239	17.6	
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	45.3-161			
Surrogate: 1-Chlorooctadecane	63.5		mg/kg	50.0		127	46.3-178			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Amerley LLC</u> Project Manager: <u>Andrew Parker</u> Address: <u>On-File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220826-0245-Water</u> Project Location: <u>SUNOCO BOOSTER</u> Sampler Name: <u>Christopher Turner</u>		P.O. #: <u>20220826-0245-Water</u> Company: <u>Amerley LLC</u> Attn: <u>aparker@amerley.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <u>H225058</u> Sample I.D. <u>1012022</u> <u>SUNOCO Backfill 01</u>		(G)RAB OR (C)OMP. <u>G</u> # CONTAINERS <u>1</u> MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL <u>X</u> OIL _____ SLUDGE _____ OTHER: _____	PRESERV ACID/BASE: _____ ICE / COOL <u>X</u> OTHER: _____
Date: <u>10-26-22</u> Time: <u>10:26</u> Date: _____ Time: _____ Received By: <u>[Signature]</u> Received By: _____		DATE <u>10-26-22</u> TIME <u>3:10</u> X <u>Chloride</u> X <u>TPH (Gro+Drot/Mro)</u> X <u>BdEX (Benzene)</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:
Delivered By: (Circle One) _____ Observed Temp. °C <u>4.3</u> Corrected Temp. °C <u>3.7</u> Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) <u>YD</u>		Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.8°C Standard <input checked="" type="checkbox"/> <b>RUSH</b> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

November 08, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 11/07/22 15:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 08 W 0-2FT (H225247-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTEX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 14 2FT (H225247-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTEX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 14 NW 0-2FT (H225247-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTEX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 15 2FT (H225247-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTEX	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	188	94.2	200	9.84		
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	188	94.0	200	7.55		
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND						

Surrogate: 1-Chlorooctane 97.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 15 E 0-2FT (H225247-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTEX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>Amerelder</b> Project Manager: <b>Andrew Parker</b> Address: <b>On-File</b> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <b>20220826-0245-Water</b> Project Location: <b>Sunoco Booster</b> Sampler Name: <b>Jesus Palomares</b>		P.O. #: <b>20220826-0245-Water</b> Company: <b>Amerelder</b> Attn: <b>aparker@amerelder.com</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
<b>BILL TO</b>			
<b>ANALYSIS REQUEST</b>			
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	
	<b>HB5347</b>		
	1	GS-08W 0-2ft	(G)RAB OR (C)OMP.
	2	GS-14 2ft	# CONTAINERS
	3	GS-14NW 0-2ft	GROUNDWATER
	4	GS-15 2ft	WASTEWATER
		GS-15E 0-2ft	SOIL
			OIL
			SLUDGE
			OTHER :
			ACID/BASE:
			ICE / COOL
			OTHER :
			DATE
			TIME
			DATE
			TIME
			Chloride
			TPH (GRO+DRO+MRO)
			BTEX (Benzene)

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: **11-07** Received By: \_\_\_\_\_  
 Relinquished By: **Am Palm** Date: **11-07** Received By: **Steele Riggs**

Delivered By: (Circle One) Observed Temp. °C: **9.3** Sample Condition:  Intact  Broken  
 Cooler:  Yes  No  
 Corrected Temp. °C: **8.7** Checked By: **SR** (Initials)  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  
 Correction Factor -0.5°C Corrected Temp. °C: **8.4**

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 02, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO DIESEL BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 12/01/22 13:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 09 2FT (H225638-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 09NW 0-2FT (H225638-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 10 2FT (H225638-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7		
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7		
Total BTEX	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	221	110	200	2.09		
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	231	116	200	4.60		
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND						

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 10N 0-2FT (H225638-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 10S 0-2FT (H225638-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7		
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7		
Total BTEX	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	221	110	200	2.09		
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	231	116	200	4.60		
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND						

Surrogate: 1-Chlorooctane 99.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 11 2FT (H225638-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7		
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7		
Total BTEX	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09		
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60		
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND						

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.5 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 11NE 0-2FT (H225638-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 16 4.5FT (H225638-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1 4.5FT (H225638-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	12/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1NW 0-2FT (H225638-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.9 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1NW 2-4FT (H225638-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.9 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1NW 4.5FT (H225638-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1E 0-2FT (H225638-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1E 2-4FT (H225638-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: GS - 17.1E 4.5FT (H225638-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	91.2	2.00	12.7	
Toluene*	<0.050	0.050	12/01/2022	ND	2.02	101	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.09	105	2.00	14.2	
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.49	108	6.00	14.7	
Total BTEX	<0.300	0.300	12/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	221	110	200	2.09	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	231	116	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.0 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amerender  
 Project Manager: Andrew Parker  
 Address: On-File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220826-0245-water  
 Project Location: Sunco Diesel Booster  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220826-0245-water  
 Company: Amerender  
 Attn: aparker@amerender.com  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H235038</u>	<u>G5-09</u>	<u>2ft</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>12-01</u>	<u>9:27</u>	<u>Chloride</u>
	<u>G5-09 NW</u>	<u>0-2ft</u>	<u>1</u>			<input checked="" type="checkbox"/>					<u>9:39</u>	<u>TPH (GRO+DRO+MRO)</u>
	<u>G5-10</u>	<u>2ft</u>									<u>9:46</u>	<u>BTEX (Benzene)</u>
	<u>G5-10 N</u>	<u>0-2ft</u>									<u>9:51</u>	
	<u>G5-10 S</u>	<u>0-2ft</u>									<u>9:54</u>	
	<u>G5-11</u>	<u>2ft</u>									<u>10:04</u>	
	<u>G5-11 NE</u>	<u>0-2ft</u>									<u>10:17</u>	
	<u>G5-16</u>	<u>4.5ft</u>									<u>10:21</u>	
	<u>G5-17.1</u>	<u>4.5ft</u>									<u>10:29</u>	
	<u>G5-17.1 NW</u>	<u>0-2ft</u>									<u>10:43</u>	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 12-1-22  
 Received By: Jesus Palomares Time: 1333  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 55 Sample Condition  Intact  Cool  Yes  No  
 Corrected Temp. °C 41.9 CHECKED BY: AP  
 Turnaround Time: Standard Bacteria (only)  Sample Condition  Observed Temp. °C  
 Thermometer ID #113 Rush  Cool Intact  Yes  No  
 Correction Factor -0.5°C 24hr  Yes  No Corrected Temp. °C

REMARKS: Give Verbal to Andrews  
Cooler Temp 41.4°  
 Verbal Results:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amerex  
 Project Manager: Andrew Parker  
 Address: Qa-File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220826-0245-water  
 Project Location: Sunco Diesel Bowler  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220826-0245-water  
 Company: Amerex  
 Attn: aparker@amerex.com  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>4935038</u>	<u>GS-17.1NW</u>	<u>9</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>12-01</u>	<u>10:53</u>	<u>Chloride</u>
<u>12</u>	<u>GS-17.1NW</u>	<u>1</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>11:08</u>	<u>11:08</u>	<u>TPH (GRO+DRO+MRO)</u>
<u>13</u>	<u>GS-17.1E</u>	<u>0-2ft</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>11:24</u>	<u>11:42</u>	<u>BTEX (Benzene)</u>
<u>14</u>	<u>GS-17.1E</u>	<u>2-4ft</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>11:42</u>	<u>11:57</u>	
<u>15</u>	<u>GS-17.1E</u>	<u>4.5ft</u>	<u>1</u>			<input checked="" type="checkbox"/>				<u>11:57</u>		

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 12-1-22  
 Time: 13:33  
 Received By: [Signature]

Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS: Cooler Temp Blanks 4.4°C

Delivered By: (Circle One) Observed Temp. °C 5.5 Sample Condition  Cool  Intact  
 Corrected Temp. °C 4.9  Yes  No  No  
 Checked By: [Signature]  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 34hr Bacteria (only)      
 Correction Factor -0.8°C        
 Corrected Temp. °C \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 15, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO DIESEL BOOSTER PUMP #2

Enclosed are the results of analyses for samples received by the laboratory on 12/12/22 14:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/12/2022	Sampling Date:	12/12/2022
Reported:	12/15/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP #2	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 38 N OFT (H225846-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.25	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.41	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.17	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.66	111	6.00	0.413	
Total BTEX	<0.300	0.300	12/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/13/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	197	98.6	200	0.758	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	204	102	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 62.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 68.1 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	12/12/2022	Sampling Date:	12/12/2022
Reported:	12/15/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP #2	Sampling Condition:	Cool & Intact
Project Number:	20220826-0245-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

**Sample ID: GS - 39 S OFT (H225846-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.25	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.41	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.17	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.66	111	6.00	0.413	
Total BTEX	<0.300	0.300	12/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/13/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	197	98.6	200	0.758	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	204	102	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Amereder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On-File</u> State: _____ Zip: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>Sumero Diesel Booster Pump #2</u> Project Location: <u>20220826-0245-water</u> Sampler Name: <u>Jesus Palomares</u>		P.O. #: <u>20220826-0245-water</u> Company: <u>Amereder</u> Attn: <u>aparker@amereder.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. <u>1225846</u> Sample I.D. <u>GS-38N</u>		(G)RAB OR (C)OMP. <u>G</u> # CONTAINERS <u>1</u>	MATRIX GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: <input type="checkbox"/>
DATE <u>12-12-2022</u> TIME <u>11:27</u>		PRESERV ACID/BASE: <input type="checkbox"/> ICE / COOL <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/>	SAMPLING DATE <u>12-12-2022</u> TIME <u>11:57</u>
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C <u>1.4</u> Corrected Temp. °C <u>0.8</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Date: <u>12/27/22</u> Time: <u>1:59</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.6°C Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C _____ Corrected Temp. °C _____
REMARKS: <u>TEMP BIANR: 2.9i</u>			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			

**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 170278

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 170278
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Deferral Request Approved. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards.	1/23/2023