

**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  
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**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 84764

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 84764
	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	Sunoco 20220216-2020-water
Date Release Discovered	02/16/2022
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   Flow Line - Production   Produced Water   Released: 1,200 BBL   Recovered: 0 BBL   Lost: 1,200 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.

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QUESTIONS, Page 2

Action 84764

**QUESTIONS (continued)**

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	Action Number: 84764
	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>Yes, major release.</b>
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> <li>Unauthorized release of a volume, excluding gases, of 25 barrels or more</li> </ul>
If YES, was immediate notice given to the OCD, by whom	Andrew Parker
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher and Enviro, OCD, EMNRD
If YES, was immediate notice given to the OCD, when	02/17/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	email

*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.*

**Initial Response**

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

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

*Per 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.*

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ACKNOWLEDGMENTS

Action 84764

**ACKNOWLEDGMENTS**

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	Action Number: 84764
	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.

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CONDITIONS  
 Action 84764

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 84764
	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.	2/28/2022

Spill Dimensions to Volume of Release			
<b>Input</b>	<b>volume of affected soil</b>	<b>[feet^3]</b>	<b>94524.77</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]	[ - ]	0.20
<b>Output</b>	volume of fluid	[feet^3]	<b>6616.7</b>
		[gal]	<b>49496.6</b>
		Barrels	1178.5

From GIS

Sq. Ft 63016.51

Depth (ft) 1.5

Cu. Ft 94524.77

## Andrew Parker

---

**From:** Andrew Parker  
**Sent:** Thursday, February 17, 2022 7:53 PM  
**To:** Bratcher, Mike, EMNRD; Enviro, OCD, EMNRD  
**Cc:** Shane McNeely; Dayeed Khan; Floyd Hammond  
**Subject:** 24hr hour major release notification at Sunoco 20220216-2020-water

NMOCD,

Please accept this email as the 24-hour major release notification per 19.15.29 NMAC.

Date of release: 02/16/2022 at 2020 hrs.

Source: Produce Water

Volume: >25 bbls

Cause: Failure at a polypipe

Site Name: Sunoco Pad

Lat/Long (WGS84): 32.1512165, -103.2813386

TRS: Unit Letter A in Sec. 8; T25S.R36E

Surface: Fee

The source of the release has been stopped.

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

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

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

A C-141 release notification will be submitted to NMOCD within 15-days.

Andrew Parker  
Environmental Scientist  
970-570-9535



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

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

Incident ID	nAPP2205943754
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>Plates 2 &amp; 3</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 and 4</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 and 4</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 4</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

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2205943754
District RP	
Facility ID	
Application ID	

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.

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: October 11, 2022 updated for DTW

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon

Date: 10/11/2022

Incident ID	nAPP2205943754
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)

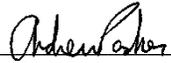
**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- 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: October 11, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon Date: 10/13/2022

Approved     Approved with Attached Conditions of Approval     Denied     Deferral Approved

Signature: 

Date: 10/28/2022

Incident ID	nAPP2205943754
District RP	
Facility ID	
Application ID	

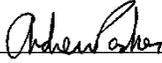
## Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Andrew Parker Title: Env. Scientist  
 Signature:  Date: October 11, 2022  
 email: aparker@ameredev.com Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon Date: 10/11/2022

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



Ameredev II, LLC

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

October 11, 2022

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

RE: Closure Report and Deferral Request  
Incident ID: nAPP2205943754  
Location: Sunoco Pad  
AEP #: 20220216-2020-water

NMOCD:

Ameredev Operating submits this closure report and deferral request for incident number nAPP2205943754. We respectfully ask NMOCD for closure of the regulatory file. Ameredev Operating also respectfully requests remediation deferral of the extent of release that is on active production site and around off-site utility pole anchor and production equipment.

The release occurred on February 16, 2022 from the failure of a polypipe flowline. The calculated volume of released produced water was 1,200 barrels and the release extent covered an area of approximately 62,963 sq. ft.

The release occurred along a pipeline right-of-way (ROW) then flowed onto an active production pad then into pastureland (Plate 1 Site Map). The release occurred on Fee surface. The coordinates of the release point are 32.1512165, -103.2813386 (Lat, Long; NAD83). The release did not impact surface water or groundwater.

On May 25, 2022, NMOCD denied the submitted Characterization and Remediation plan due to inadequate determination of depth to groundwater and inadequate delineation. Included in the May 25, 2022 communication, NMOCD approved composite base and wall confirmation samples representing no more than 500 sq ft. On July 19, 2022 Ameredev Operating requested an extension pending completion of DTW borehole program. (Communications in Appendix A).

nAPP2205943754  
Sunoco Pad  
20220216-2020-water

To address inadequate depth-to-water determination, Ameredev Operating initiated a depth-to-water borehole program:

- Boreholes are located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas
- Drilled to a depth of approximately 101-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

## 1. Characterization

The following section demonstrates determination of depth to water.

### 1.1. *Depth to Ground Water*

The nearest depth-to-water boring relative to the release extent is mapped on Plate 2. The Office of the State Engineer well log is attached in Appendix B:

1. Misc-407 (CP-1918 POD 1) is located 0.2-miles east southeast of the release extent with a depth to water of > 101 ft. dated 09/26/2022.

## 2. Remediation Activities

The release extent was divided into sample grids not exceeding the approved 500 sq ft, for the collection of confirmation and delineation samples. Plates 13a, 13b, and 13c show the sample grid (west, central and east locations divided for ease of review) with associated square footage. Plates 14a, 14b, and 14c show the sample point locations, distinguishing confirmation and delineation samples. Off-site *confirmation* samples and samples collected within the Energy Transfer Sunoco Facility are mapped as orange circles. On-site *horizontal* and *vertical delineation* samples are mapped as green circles and located to determine release extent and to evaluate constituents of concern for the deferral request discussed below.

Table A shows sample coordinates.

Ameredev excavated within the off-site (ROW and Pasture) release extent until the walls and bases met Closure Criteria defined as,

- Releases off-site where depth to water is > 100 ft; remediation, reclamation, and restoration closure criteria per Table 1 of 19.15.29 NMAC are:
  - Upper 4-feet
    - Chloride < 600 mg/kg
    - TPH (GRO + DRO + MRO) < 100 mg/kg
    - BTEX < 50 mg/kg
    - Benzene < 10 mg/kg

10/11/2022

nAPP2205943754  
Sunoco Pad  
20220216-2020-water

- 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

Per request of Energy Transfer (ET) who operates a production facility on the Sunoco gas pad, the portion of the release within the fenced ET Sunoco facility was remediated to the most stringent Closure Criteria concentrations within the upper 4.5-feet.

All off-site confirmation samples (ROW and Pasture) and within the ET Sunoco production facility met closure criteria for constituents of concern as defined above. Grab *base delineation* samples were obtained at select locations in remediated areas where Chloride was within criteria at > 4 ft depth, to confirm constituent impact at further depth.

No excavation occurred on the production site, immediately surrounding production facilities and the areas adjacent to anchor guywires and utility poles (Figure 4). Deenergizing and deconstruction of the powerline infrastructure would cause a major disruption to area-wide oil and gas operations. Analysis of constituents of concern showed that all delineation sample points met closure criteria for release area on an active production site, defined as.

- 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:
  - 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

Excavation extent and depth are shown on Plate 15. Figures 1-3 shows excavation extent for the remediated areas off site.

10/11/2022

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Amerdev II, LLC

nAPP2205943754  
Sunoco Pad  
20220216-2020-water



Figure 1: View of western ROW facing south-southwest from northern portion of release extent. Date Taken: 2022-06-27 12:07:18 GPS: 32.1520269, -103.2813144



Figure 2: East pasture facing north northwest from southern extent. Date Taken: 2022-06-09 13:18:11. GPS: 32.1511267, -103.2790081



Figure 3: Energy Transfer Sunoco area viewing west from eastern edge. Date Taken: 2022-07-18 13:42:40 GPS: 32.1515258, -103.2805725

10/11/2022

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nAPP2205943754  
Sunoco Pad  
20220216-2020-water

### 3. Deferral Request

Ameredev Operating respectfully requests deferral of the release area on the active production site, around off-site production equipment, and areas surrounding utility poles and anchor guywire supporting powerlines to prevent a major facility deconstruction and disruption to area-wide oil and gas operations.

Deferral areas off-site are limited to:

1. G-016 (Figure 4)
2. Western 1/3 of G-024
3. Southern 1/3 of G-004 where there is production equipment,

Plate 16 identifies the off-site deferral areas.

Per 19.15.29.12.C.(2) NMAC, remediation may be deferred around production equipment where remediation would cause a major facility deconstruction.

Deferral request meets criteria 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.



*Figure 4: Area deferred in northeast ROW surrounding powerpole facing west; at grid G-016 (sample ID GS-016).  
Date Taken: 2022-07-18 13:56:55  
GPS: 32.1519919, -103.2810172*

All sample points within the deferral areas were collected to provide comprehensive vertical and horizontal delineation while avoiding buried flow and electrical lines. All deferral Confirmation/Delineation samples met closure criteria per Table 1 of 19.15.29 NMAC as defined above for an active production site.

A summary of analytical results from the sampling program are presented in Table B. Appendix C contains the Laboratory Certificates of Analysis.

10/11/2022

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Ameredev II, LLC

nAPP2205943754  
Sunoco Pad  
20220216-2020-water

Approximately 9,716 cubic yards of impacted material was removed and hauled off-site for proper disposal. 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 pasture and ROW areas were remediated and reclaimed per (19.15.29.13.A-D NMAC). Reseeding will occur at the next favorable growing season. Disturbed surfaces on the active production site were restored per 19.15.29.13.A-C NMAC.

Figures 5 and 6 show area after remediation and restoration.



*Figure 5: Restoration of west ROW viewing south-southeast.  
Date Taken: 2022-08-22 16:26:04. GPS: 32.1520264, -103.2813986*



*Figure 6: Restoration of the east pasture viewing west  
Date Taken: 2022-08-22 16:19:29  
GPS: 32.1513686, -103.2788600*

10/11/2022

Released to Imaging: 10/28/2022 11:04:44 AM

nAPP2205943754  
Sunoco Pad  
20220216-2020-water

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

Please contact me with any questions.

Sincerely,  
Ameredev II, LLC



Andrew Parker  
Env. Scientist

Copy: Dayeed Kahn, Ameredev II, LLC

10/11/2022

Released to Imaging: 10/28/2022 11:04:44 AM

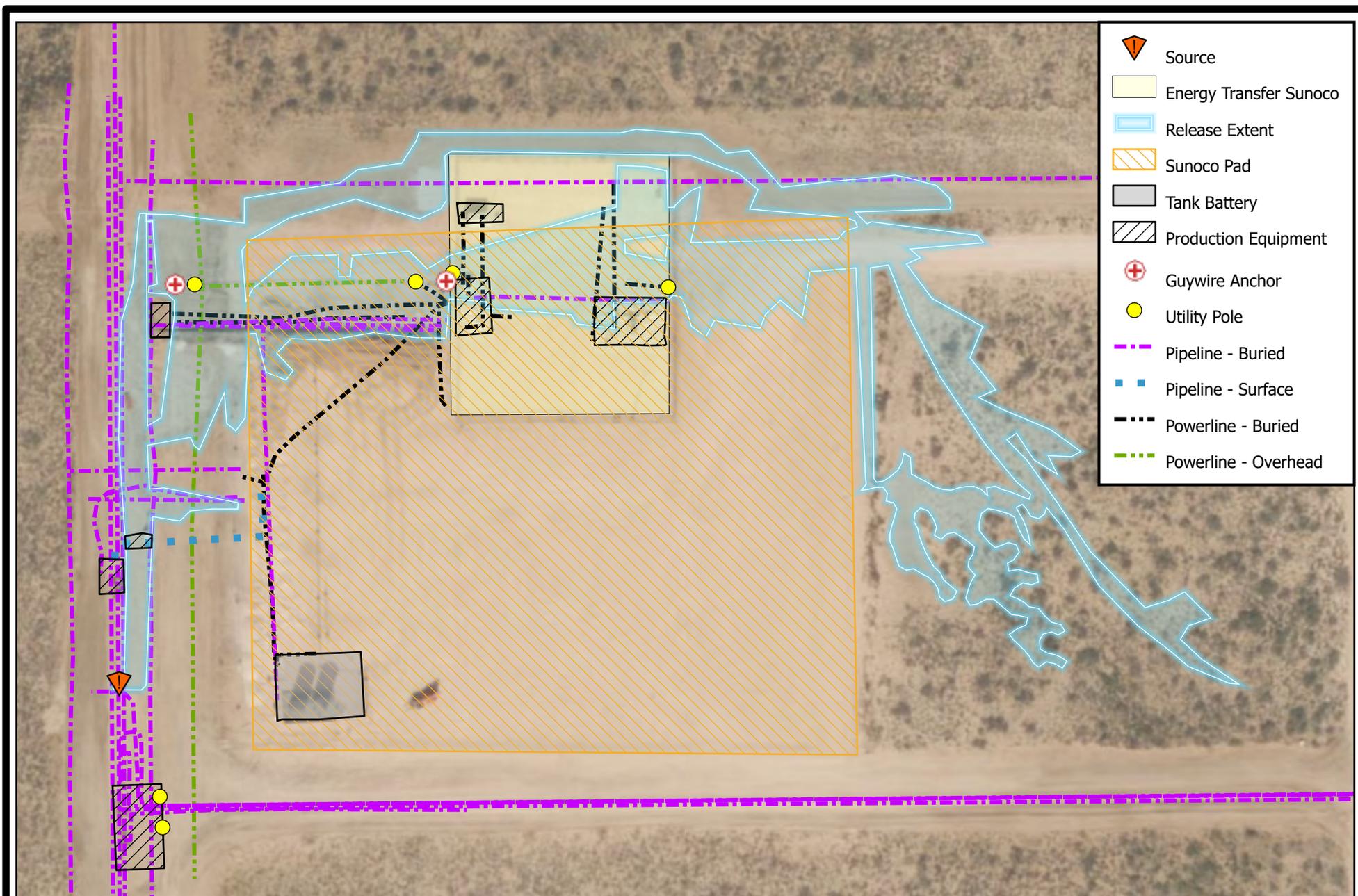


Ameredev II, LLC

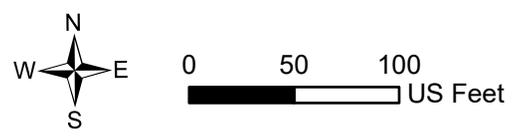
# Plates



Ameredev II, LLC

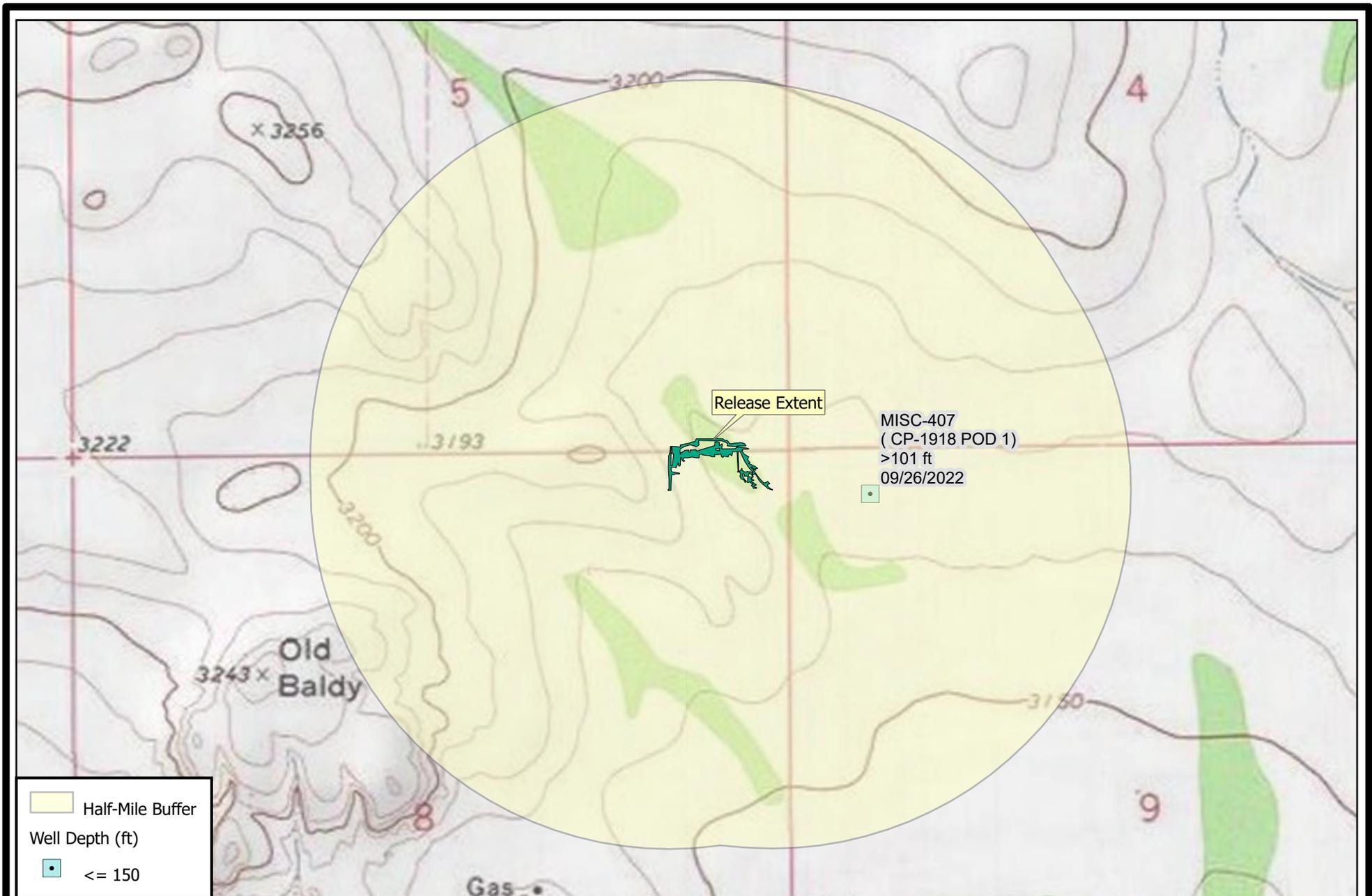


-  Source
-  Energy Transfer Sunoco
-  Release Extent
-  Sunoco Pad
-  Tank Battery
-  Production Equipment
-  Guywire Anchor
-  Utility Pole
-  Pipeline - Buried
-  Pipeline - Surface
-  Powerline - Buried
-  Powerline - Overhead



Site Map Sunoco Pad
Incident #: nAPP2205943754 AEP #: 20220216-2020-water

Plate 1 (Revised)
08/16/2022



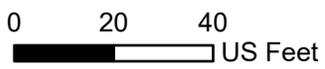
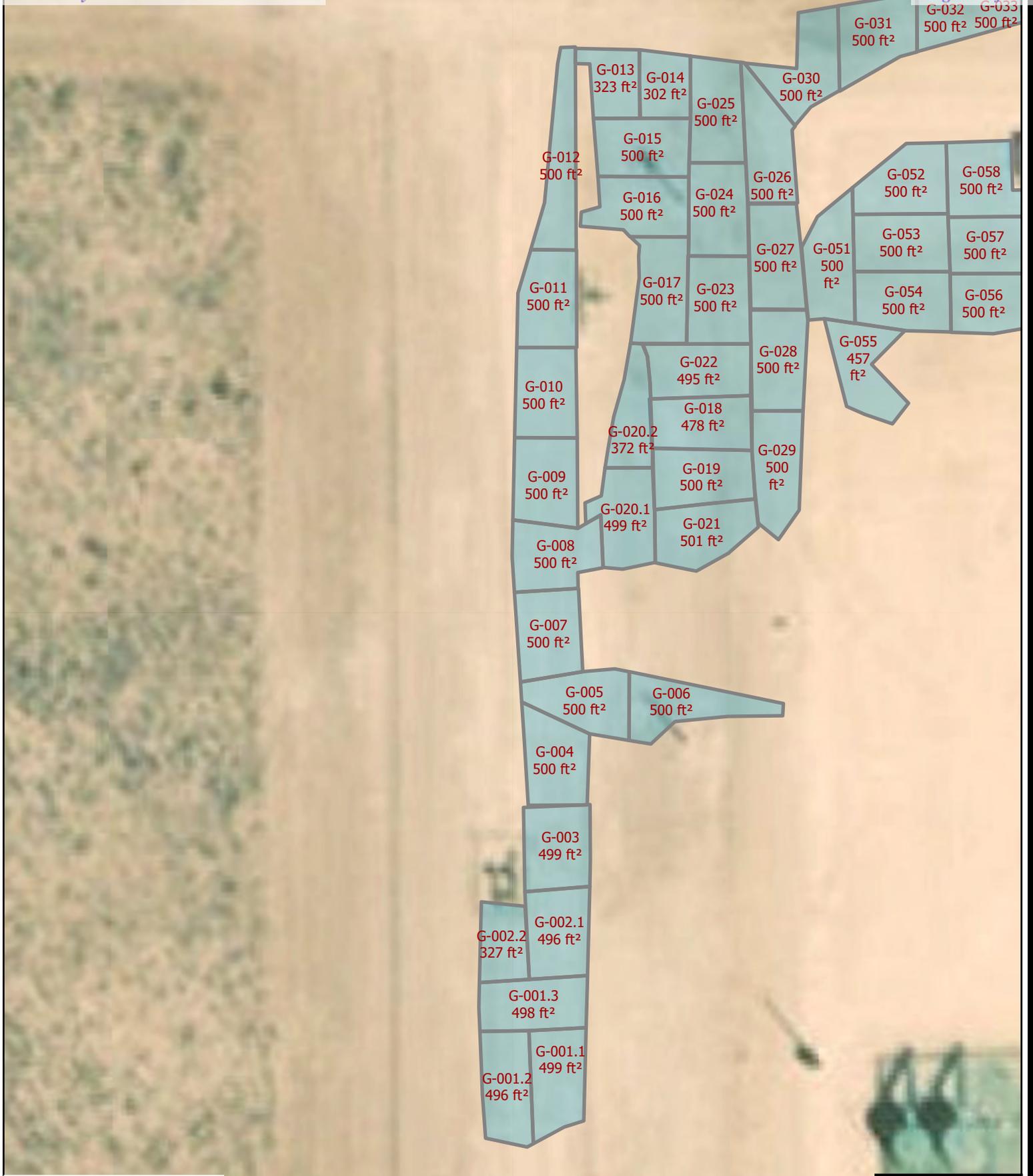
Half-Mile Buffer  
 Well Depth (ft)  
 <= 150

N  
 W —+— E  
 S  
 0 500 1,000  
 US Feet



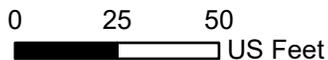
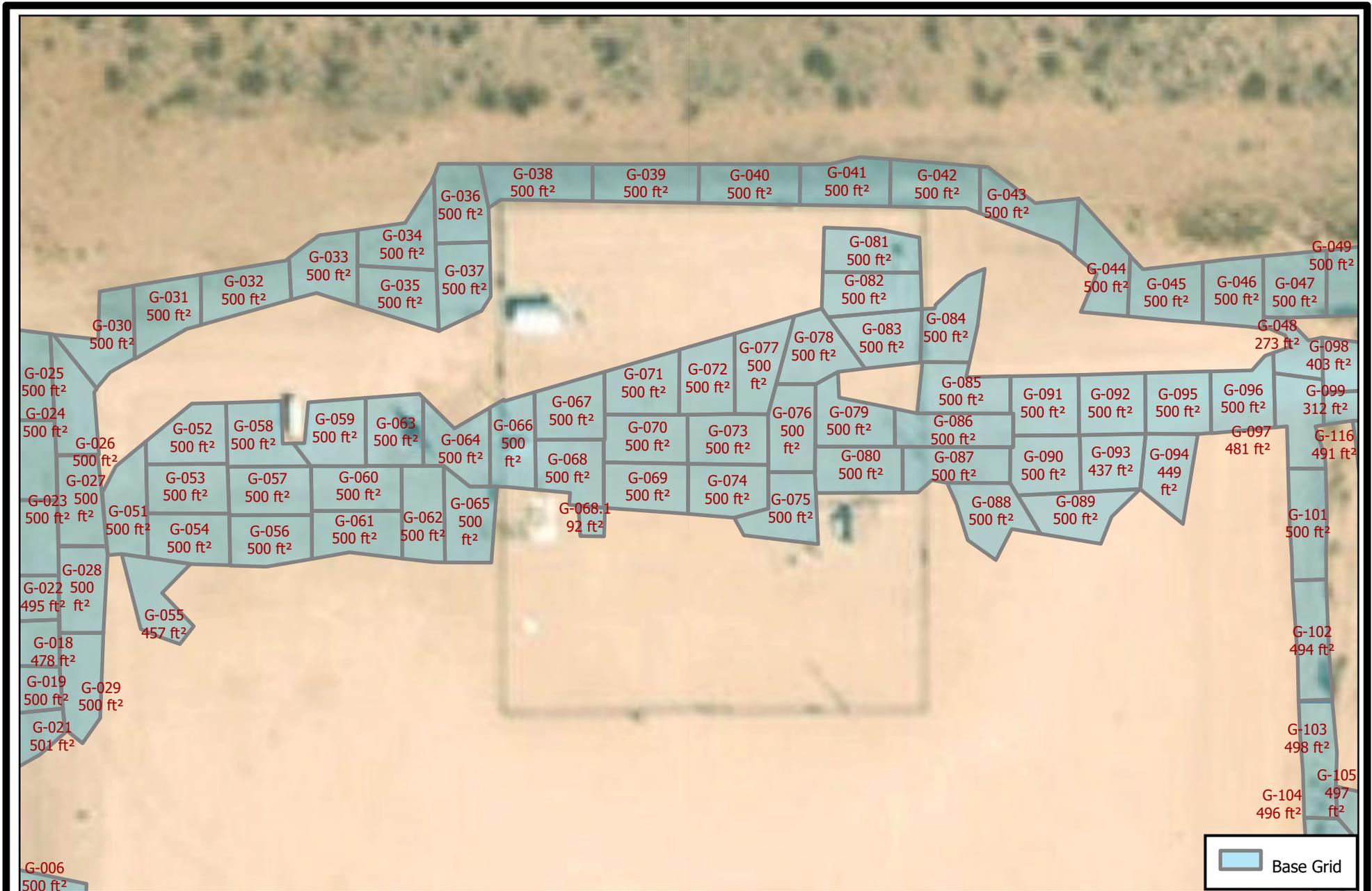
Depth-to-Water Sunoco Pad
Incident #: nAPP2205943754 AEP #: 20220216-2020-water

Plate 2 rev
10/03/2022



West Sample Grids with Square Footage  
Sunoco Pad  
Incident ID: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 13a  
08/12/2022

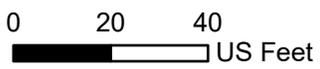
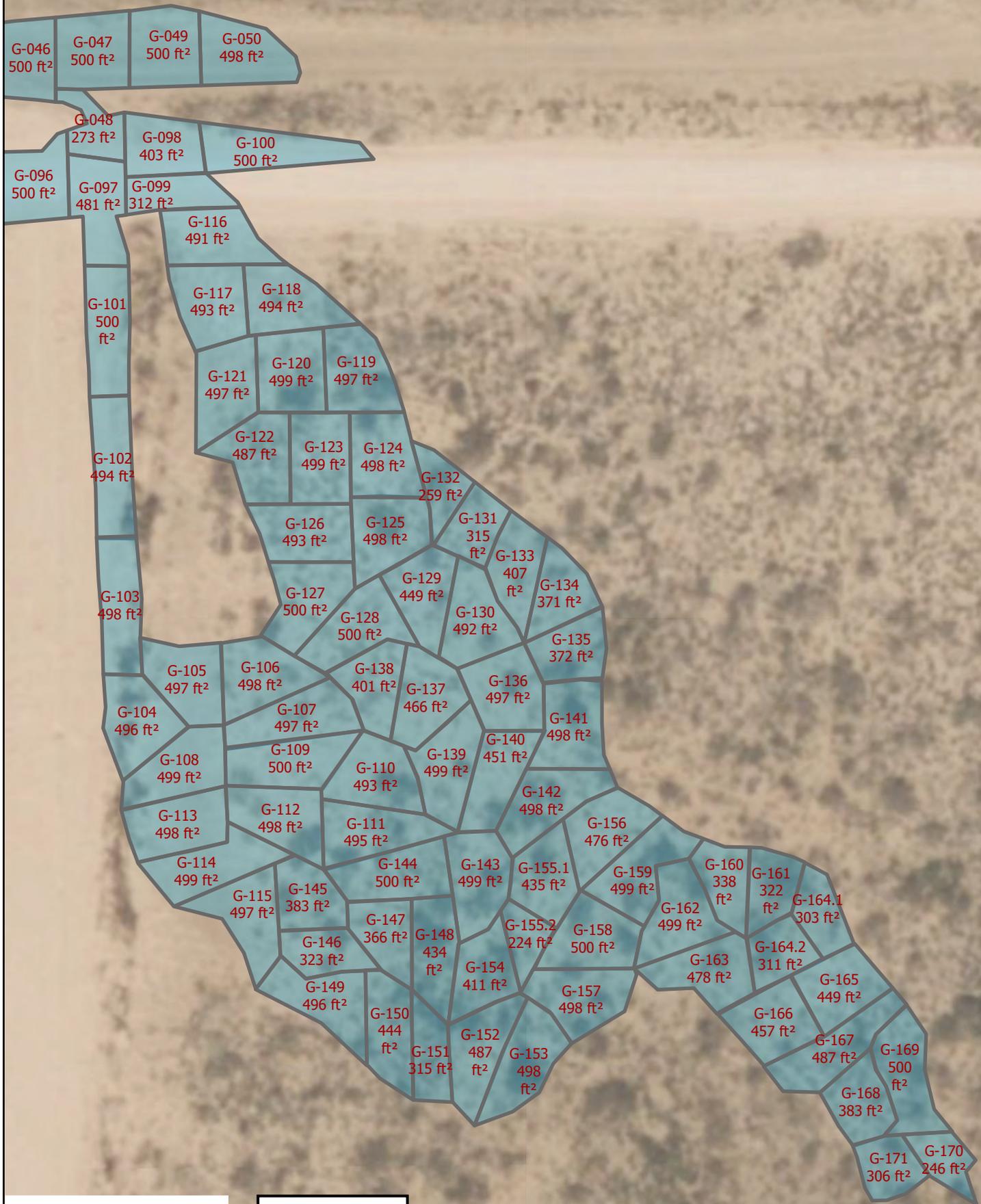


Central Sample Grids with Square Footage  
Sunoco Pad

Incident #: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 13b

08/14/2022

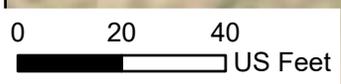
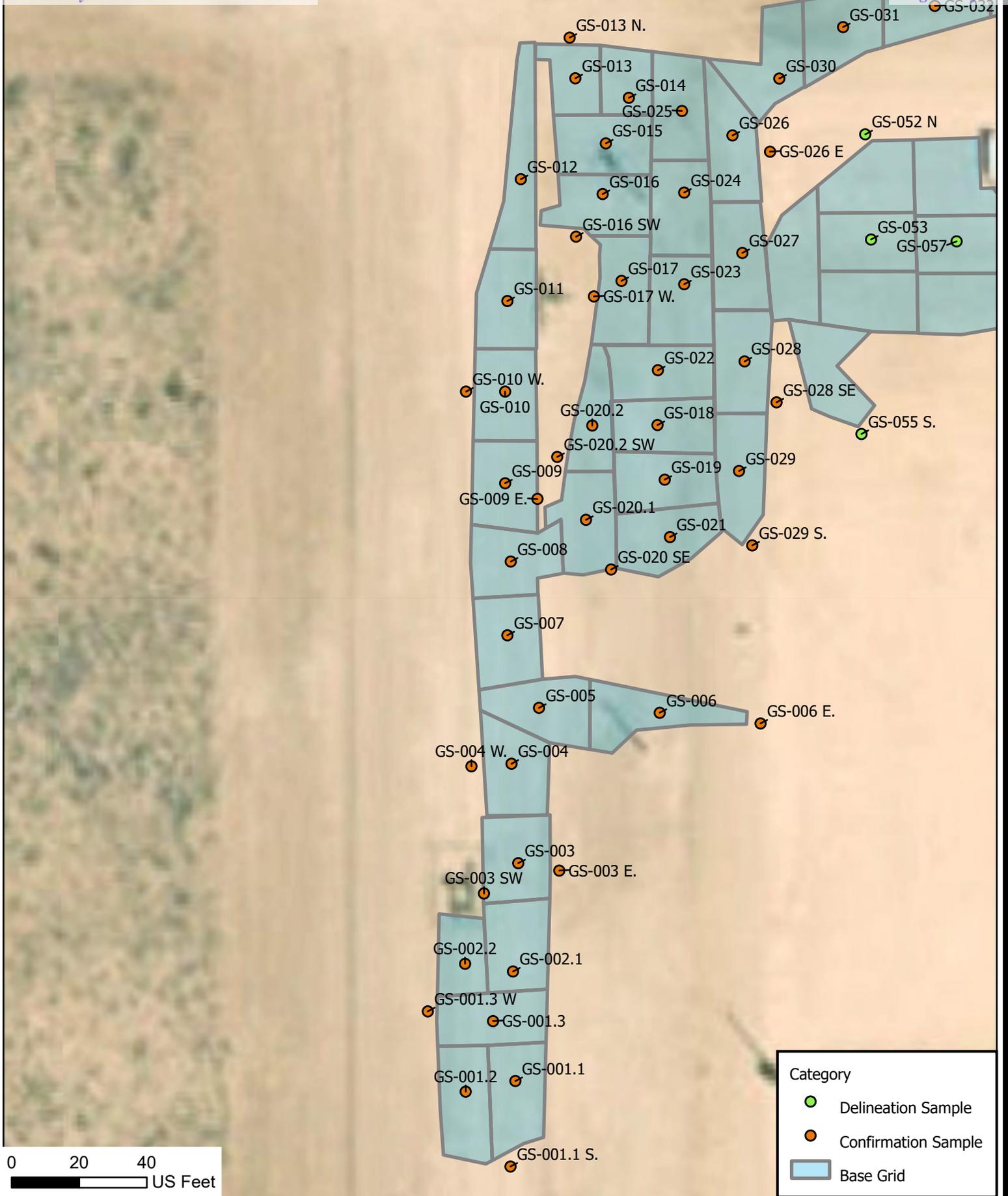


East Sample Grids with Square Footage  
Sunoco Pad

Incident ID: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 13c

08/14/2022



Category	
<span style="color: green;">●</span>	Delineation Sample
<span style="color: orange;">●</span>	Confirmation Sample
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Base Grid



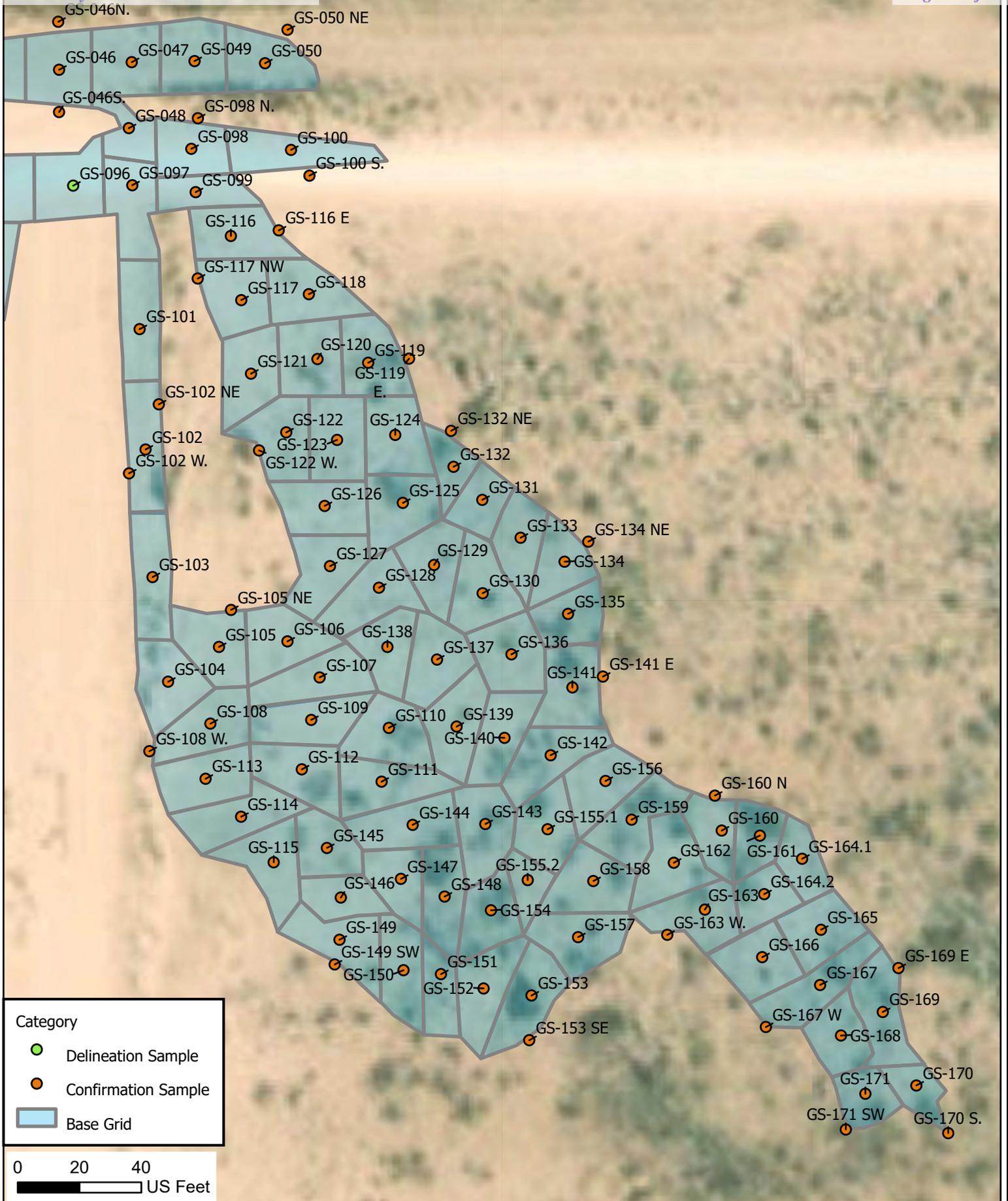
West Sample Points  
Sunoco Pad

Incident ID: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 14a

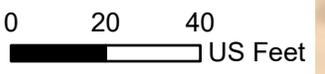
08/15/2022





**Category**

- Delineation Sample
- Confirmation Sample
- Base Grid

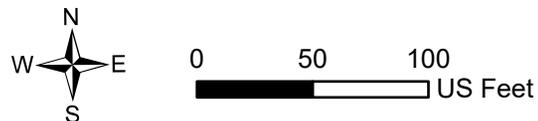
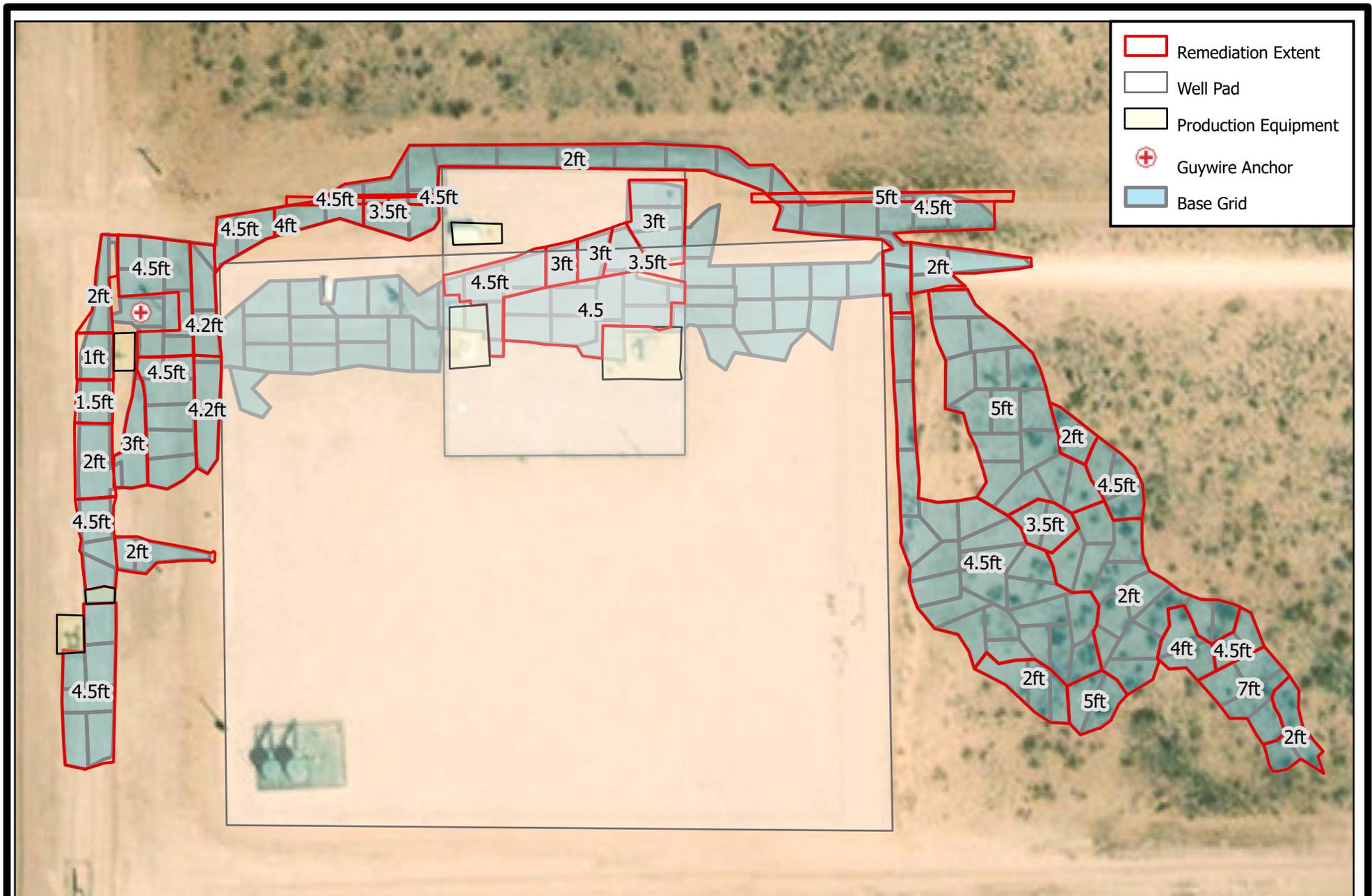


**East Sample Points  
Sunoco Pad**

Incident ID: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 14c

08/15/2022



Excavation Extent and Depth  
Sunoco Pad

Plate 15

Incident #: nAPP2205943754  
AEP #: 20220216-2020-water

08/15/2022

# Tables



Ameredev II, LLC

Sample ID	Latitude	Longitude
Source	32.15121733	-103.2813941
GS-001.1	32.15125664	-103.2813525
GS-001.1 S.	32.1511871	-103.2813579
GS-001.2	32.15124839	-103.2814
GS-001.3	32.15130555	-103.2813732
GS-001.3 W	32.15131399	-103.2814354
GS-002.1	32.15134576	-103.2813537
GS-002.2	32.15135239	-103.2813994
GS-003	32.15143383	-103.2813477
GS-003 E.	32.15142746	-103.2813085
GS-003 SW	32.15140947	-103.2813807
GS-004	32.15151478	-103.2813532
GS-004 W.	32.15151302	-103.2813915
GS-005	32.15156004	-103.2813264
GS-006	32.15155505	-103.2812111
GS-006 E.	32.15154557	-103.2811148
GS-007	32.1516193	-103.2813559
GS-008	32.15167931	-103.281352
GS-009	32.15174302	-103.2813566
GS-009 E.	32.15173004	-103.2813259
GS-010	32.1518176	-103.2813558
GS-010 W.	32.15181792	-103.2813932
GS-011	32.15189126	-103.2813528
GS-012	32.1519903	-103.2813388
GS-013	32.15207192	-103.2812858
GS-013 N.	32.15210504	-103.2812908
GS-014	32.15205563	-103.2812348
GS-015	32.15201873	-103.2812572
GS-016	32.15197754	-103.2812607
GS-016 SW	32.15194308	-103.2812866
GS-017	32.15190673	-103.2812435
GS-017 W.	32.15189431	-103.2812701
GS-018	32.15178918	-103.2812105
GS-019	32.15174467	-103.2812041
GS-020 SE	32.15167203	-103.2812562
GS-020.1	32.15171263	-103.2812797
GS-020.2	32.15178929	-103.2812728
GS-020.2 SW	32.15176405	-103.2813066
GS-021	32.15169794	-103.2811996
GS-022	32.1518338	-103.2812096
GS-023	32.1519035	-103.2811837
GS-024	32.15197809	-103.2811828
GS-025	32.1520445	-103.2811842
GS-026	32.15202419	-103.2811362
GS-026 E	32.15201065	-103.2811004
GS-027	32.15192851	-103.2811278
GS-028	32.15184026	-103.2811267
GS-028 SE	32.15180668	-103.2810966
GS-029	32.15175117	-103.281133
GS-029 S.	32.15169051	-103.2811211
GS-030	32.15207011	-103.2810909
GS-031	32.15211144	-103.2810295
GS-032	32.15212799	-103.2809416
GS-032 N.	32.15215397	-103.2809575

Sample ID	Latitude	Longitude
GS-033	32.15214359	-103.2808484
GS-033 S.	32.15210604	-103.2808296
GS-034	32.15217387	-103.28077
GS-035	32.15212381	-103.2807663
GS-036	32.15221142	-103.2806915
GS-037	32.15213771	-103.2806881
GS-038	32.1522307	-103.2806036
GS-038 N.	32.15225748	-103.2806067
GS-039	32.15222899	-103.2804827
GS-039 S.	32.15220052	-103.2804821
GS-040	32.15222708	-103.2803694
GS-041	32.15222707	-103.2802515
GS-041 N	32.15225794	-103.2802465
GS-041 S.	32.15220252	-103.280258
GS-042	32.15222624	-103.2801529
GS-043	32.15219448	-103.2800444
GS-044 2ft	32.15216569	-103.279967
GS-044 4.5ft	32.15212603	-103.2799507
GS-044 NE	32.15219551	-103.279957
GS-044 SW	32.15210871	-103.2799949
GS-045	32.15211698	-103.2798866
GS-046	32.15211542	-103.2798152
GS-046N.	32.15215816	-103.2798156
GS-046S.	32.15207775	-103.2798156
GS-047	32.15212153	-103.2797391
GS-048	32.15206285	-103.2797428
GS-049	32.15212195	-103.2796734
GS-050	32.15211941	-103.2795997
GS-050 NE	32.152149	-103.2795758
GS-052 N	32.15202404	-103.2810093
GS-053	32.1519384	-103.2810047
GS-055 S.	32.15178027	-103.2810157
GS-057	32.15193624	-103.280923
GS-059 N.	32.15202718	-103.2808325
GS-060	32.15194695	-103.2808161
GS-061 S.	32.15186023	-103.2808313
GS-066	32.15198696	-103.2806395
GS-066 S.	32.15192564	-103.2806328
GS-067	32.15200574	-103.2805698
GS-068	32.15195688	-103.2805535
GS-068 S.	32.15187797	-103.2805485
GS-068 W.	32.15195091	-103.2805982
GS-068.1	32.15190304	-103.2805484
GS-069	32.15193589	-103.280484
GS-069 S.	32.15190901	-103.2804626
GS-070	32.15198047	-103.2804856
GS-071	32.1520296	-103.2804861
GS-071 N.	32.15205797	-103.2804886
GS-072	32.15203629	-103.2804155
GS-073	32.15197877	-103.2803905
GS-074	32.15193327	-103.2803878
GS-075	32.15190151	-103.2803438
GS-075 C.	32.15192995	-103.2803373
GS-076	32.15199179	-103.2803155

Sample ID	Latitude	Longitude
GS-077	32.15205126	-103.2803565
GS-078	32.15206528	-103.2802922
GS-079	32.15199486	-103.280247
GS-079 N.	32.15202324	-103.2802256
GS-080	32.15195116	-103.2802422
GS-080 S.	32.15191873	-103.2802379
GS-081	32.15216117	-103.280228
GS-081 N.	32.1521879	-103.2802112
GS-082	32.15212204	-103.2802263
GS-083	32.15207738	-103.2802151
GS-083 S.	32.15203953	-103.2802063
GS-084	32.15208913	-103.2801329
GS-084 E.	32.15208535	-103.2801051
GS-084 NW	32.15212723	-103.2801293
GS-088	32.15190447	-103.2801091
GS-089 S.	32.15187018	-103.2800071
GS-091	32.15200872	-103.2800362
GS-092 N.	32.15204459	-103.2799773
GS-094	32.15193558	-103.2798864
GS-095	32.1520097	-103.2799044
GS-096	32.15201211	-103.2798016
GS-097	32.15201195	-103.2797398
GS-098	32.15204387	-103.2796777
GS-098 N.	32.15207106	-103.2796705
GS-099	32.15200526	-103.2796736
GS-100	32.15204203	-103.2795734
GS-100 S.	32.15201894	-103.2795544
GS-101	32.15188381	-103.2797336
GS-102	32.1517766	-103.2797286
GS-102 NE	32.15181668	-103.2797143
GS-102 W.	32.15175547	-103.2797462
GS-103	32.15166293	-103.2797226
GS-104	32.15156968	-103.2797074
GS-105	32.15160016	-103.2796538
GS-105 NE	32.151633	-103.2796409
GS-106	32.15160451	-103.2795822
GS-107	32.15157212	-103.2795489
GS-108	32.15153197	-103.2796636
GS-108 W.	32.15150793	-103.2797277
GS-109	32.15153439	-103.2795581
GS-110	32.15152658	-103.279477
GS-111	32.15147881	-103.2794851
GS-112	32.15149046	-103.2795685
GS-113	32.15148291	-103.2796692
GS-114	32.15144881	-103.2796325
GS-115	32.15140793	-103.2795989
GS-116	32.15196594	-103.2796372
GS-116 E	32.15197054	-103.2795871
GS-117	32.15190871	-103.279627
GS-117 NW	32.15192836	-103.2796723
GS-118	32.15191343	-103.2795563
GS-119	32.15185188	-103.2794949
GS-119 E.	32.15185521	-103.2794521
GS-120	32.1518556	-103.2795479

Sample ID	Latitude	Longitude
GS-121	32.15184316	-103.2796176
GS-122	32.1517906	-103.2795813
GS-122 W.	32.15177477	-103.2796099
GS-123	32.15178345	-103.2795282
GS-124	32.15178738	-103.2794673
GS-125	32.15172682	-103.2794601
GS-126	32.15172476	-103.2795419
GS-127	32.15167115	-103.2795369
GS-128	32.15165149	-103.2794859
GS-129	32.15167128	-103.2794281
GS-130	32.15164568	-103.2793775
GS-131	32.15172878	-103.2793769
GS-132	32.15175847	-103.2794066
GS-132 NE	32.15179053	-103.2794089
GS-133	32.15169475	-103.2793373
GS-134	32.15167306	-103.2792915
GS-134 NE	32.15169068	-103.2792665
GS-135	32.15162655	-103.2792884
GS-136	32.15159102	-103.279348
GS-137	32.15158702	-103.2794259
GS-138	32.15159868	-103.2794777
GS-139	32.15152719	-103.2794061
GS-140	32.15151671	-103.2793561
GS-141	32.15156105	-103.2792846
GS-141 E	32.15157044	-103.2792526
GS-142	32.15150081	-103.2793081
GS-143	32.15144018	-103.2793771
GS-144	32.15144003	-103.2794531
GS-145	32.15142025	-103.279543
GS-146	32.15137597	-103.279529
GS-147	32.1513921	-103.279466
GS-148	32.15137598	-103.2794204
GS-149	32.15133841	-103.2795308
GS-149 SW	32.15131647	-103.2795361
GS-150	32.15131074	-103.2794642
GS-151	32.15130692	-103.279425
GS-152	32.15129377	-103.2793806
GS-153	32.15128715	-103.2793306
GS-153 SE	32.15124737	-103.2793334
GS-154	32.15136334	-103.2793721
GS-155.1	32.15143498	-103.279312
GS-155.2	32.15138991	-103.2793333
GS-156	32.15147748	-103.279251
GS-157	32.15133865	-103.2792812
GS-158	32.15138849	-103.2792647
GS-159	32.15144277	-103.279224
GS-160	32.1514323	-103.2791299
GS-160 N	32.15146345	-103.2791367
GS-161	32.15142745	-103.27909
GS-162	32.15140406	-103.2791803
GS-163	32.15136208	-103.2791483
GS-163 W.	32.15133996	-103.2791879
GS-164.1	32.15140648	-103.2790461
GS-164.2	32.15137531	-103.2790861

Table A  
Sample Coordinates

Sample ID	Latitude	Longitude
GS-165	32.15134312	-103.2790271
GS-166	32.15131923	-103.2790888
GS-167	32.15129393	-103.2790286
GS-167 W	32.15125704	-103.2790857
GS-168	32.15124882	-103.2790072
GS-169	32.15126937	-103.2789633
GS-169 E	32.15130833	-103.2789465
GS-170	32.15120362	-103.278929
GS-170 S.	32.15116091	-103.2788961
GS-171	32.1511967	-103.2789823
GS-171 SW	32.15116505	-103.2790032

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-001.1	7/6/2022	4.5			Base	ROW	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-001.1 S	7/18/2022		0	2	Wall	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-001.1 S	7/18/2022		2	4	Wall	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-001.1 S	7/18/2022	4.5			Wall	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-001.2	7/6/2022	4.5			Base	ROW	3400	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-001.2	7/6/2022	5.5			Base-Delineation	ROW	2320	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-001.2	7/6/2022	6.5			Base-Delineation	ROW	3160	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-001.3	7/6/2022	4.5			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-001.3 W	7/19/2022		0	2	Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-001.3 W	7/19/2022		2	4	Wall	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-001.3 W	7/19/2022	4.5			Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-002.1	7/6/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-002.2	7/6/2022	4.5			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-003	7/6/2022	4.5			Base	ROW	1180	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-003 E	7/6/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-003 E	7/6/2022		2	4	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-003 E	7/6/2022	4.5			Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-003 SW	7/6/2022		0	2	Wall	ROW	3440	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H222895
GS-003 SW	7/6/2022		2	4	Wall	ROW	1090	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H222895
GS-003 SW	7/6/2022	4.5			Wall	ROW	8960	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H222895
GS-003 SW	7/18/2022	5.5			Vertical Delineation	ROW	416	NA	NA	NA	NA	Confirmation	Cardinal	H223115
GS-003 SW	7/18/2022	6.5			Vertical Delineation	ROW	32	NA	NA	NA	NA	Confirmation	Cardinal	H223115
GS-004	6/17/2022	4.5			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-004 W	6/17/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-004 W	6/17/2022		2	4	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-004 W	6/17/2022	4.5			Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-005	6/17/2022	4.5			Base	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-006	6/17/2022	2			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-006 E	7/11/2022		0	2	Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-007	6/17/2022	4.5			Base	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-008	6/10/2022	2			Base	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-009	6/10/2022	2			Base	ROW	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-009 E	6/10/2022		0	2	Wall	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-010	6/10/2022	1.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-010 W	6/10/2022		0	1.5	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-011	6/10/2022	1			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222500
GS-012	7/1/2022	2			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-013	7/18/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-013 N	7/18/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-013 N	7/18/2022		2	4	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-013 N	7/18/2022	4.5			Wall	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-014	7/18/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-015	7/15/2022	4.5			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-016	7/15/2022		0	2	Base delineation	ROW	2920	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H223098
GS-016	7/15/2022		2	4	Base delineation	ROW	3280	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H223098
GS-016	7/15/2022	4.5			Base delineation	ROW	112	<20	<30	<0.05	<0.30	Delineation/Defer	Cardinal	H223098
GS-016	7/6/2022	3.5			Base-Delineation	ROW	NS	NS	NS	NS	NS	Auger Refusal		

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-016 SW	7/6/2022		0	2	Wall	ROW	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-016 SW	7/6/2022		2	3.5	Wall	ROW	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222895
GS-016 SW	7/6/2022	3.5			Wall	ROW	NS	NS	NS	NS	NS	Auger Refusal		
GS-017	7/18/2022	4.5			Base	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-017 W	7/18/2022		0	2	Wall	ROW	160	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-017 W	7/18/2022		2	4	Wall	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-017 W	7/18/2022	4.5			Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-018	7/1/2022	4.5			Base	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-019	6/30/2022	4.5			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020 SE	6/30/2022		0	2	Wall	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020 SE	6/30/2022		2	4	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020 SE	6/30/2022	4.5			Wall	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020.1	6/30/2022	3			Base	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020.2	6/30/2022	3			Base	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-020.2 SW	7/1/2022		0	2	Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-020.2 SW	7/1/2022		2	3	Wall	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-021	6/30/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-022	7/1/2022	4.5			Base	ROW	416	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-022	7/1/2022	5.5			Base Delineation	ROW	80	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-023	7/18/2022	4.5			Base	ROW	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223115
GS-024	7/15/2022	4.5			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-025	7/15/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-026	7/15/2022	4.2			Base	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-026 E	7/15/2022		0	2	Wall	On Pad	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-026 E	7/15/2022		2	4	Wall	On Pad	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-026 E	7/15/2022	4.2			Wall	On Pad	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-027	7/15/2022	4.2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-028	7/1/2022	4.2			Base	ROW	3360	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-028	7/1/2022	5.2			Base delineation	ROW	2000	NA	NA	NA	NA	Confirmation	Cardinal	H222853
GS-028	7/1/2022	6.2			Base delineation	ROW	304	NA	NA	NA	NA	Confirmation	Cardinal	H222853
GS-028 SE	7/15/2022		0	2	Wall	On Pad	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-028 SE	7/15/2022		2	4	Wall	On Pad	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-028 SE	7/15/2022	4.2			Wall	On Pad	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-029	6/30/2022	4.2			Base	ROW	9800	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-029 S	7/15/2022		0	2	Wall	ROW	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-029 S	7/15/2022		2	4	Wall	ROW	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-029 S	7/15/2022	4.2			Wall	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223098
GS-030	8/1/2022	4.5			Base	ROW	864	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-031	8/1/2022	4.5			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-032	8/1/2022	4			Base	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-032 N	8/1/2022		0	2	Wall	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-032 N	8/1/2022		2	4	Wall	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-033	8/1/2022	4			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-033 S	8/1/2022		0	2	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-033 S	8/1/2022		2	4	Wall	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-034	7/13/2022	2			Base	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223035
GS-035	7/21/2022	3.5			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-036	7/13/2022	2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223035
GS-037	8/1/2022	3.5			Base	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223389
GS-038	7/12/2022	2			Base	ROW	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-038 N	7/12/2022		0	2	Wall	ROW	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-039	7/12/2022	2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-039 S	7/12/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-040	7/12/2022	2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-041	7/12/2022	2			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-041 N	7/12/2022		0	2	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-041 S	7/12/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-042	7/12/2022	2			Base	ROW	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-043	7/12/2022	2			Base	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-044 2ft	8/2/2022	2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-044 4.5 ft	8/2/2022	4.5			Base	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-044 NE	7/12/2022		0	2	Wall	ROW	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222990
GS-044 SW	8/4/2022		0	2	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-044 SW	8/4/2022		2	4	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-044 SW	8/4/2022	4.5			Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-045	8/2/2022	4.5			Base	ROW	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046	8/2/2022	4.5			Base	ROW	1880	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 S	8/2/2022		0	2	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 S	8/2/2022		2	4	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 S	8/2/2022	4.5			Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 N	8/2/2022		0	2	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 N	8/2/2022		2	4	Wall	ROW	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-046 N	8/2/2022	4.5			Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223419
GS-047	8/3/2022	4.5			Base	ROW	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-048	8/3/2022	4.5			Base	ROW	224	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-049	8/3/2022	4.5			Base	ROW	224	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-050	8/3/2022	4.5			Base	ROW	400	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-050 NE	8/3/2022		0	2	Wall	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-050 NE	8/3/2022		2	4	Wall	ROW	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-050 NE	8/3/2022	4.5			Wall	ROW	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-051					Base Grid	On Pad						Defer		
GS-052					Base Grid	On Pad						Defer		
GS-052 N	8/3/2022		0	2	Horizontal Delineation	On Pad	80	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223475
GS-052 N	8/3/2022		2	4	Horizontal Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223475
GS-052 N	8/3/2022	4.5			Horizontal Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223475
GS-053	7/13/2022		0	2	Vertical Delineation	On Pad	960	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-053	7/13/2022		2	4	Vertical Delineation	On Pad	4400	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-053	7/13/2022	4.5			Vertical Delineation	On Pad	4960	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-054					Base Grid	On Pad						Defer		
GS-055					Base Grid	On Pad						Defer		
GS-055 S	7/14/2022		0	2	Horizontal Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-055 S	7/14/2022		2	4	Horizontal Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-055 S	7/14/2022	4.5			Horizontal Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-056					Base Grid	On Pad						Defer		

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-057	7/13/2022		0	2	Vertical Delineation	On Pad	4930	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-057	7/13/2022		2	4	Vertical Delineation	On Pad	4320	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-057	7/13/2022	4.5			Vertical Delineation	On Pad	624	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-058					Base Grid	On Pad						Defer		
GS-059					Base Grid	On Pad						Defer		
GS-059 N	7/14/2022		0	2	Horizontal Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-059 N	7/14/2022		2	4	Horizontal Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-059 N	7/14/2022	4.5			Horizontal Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-060	7/13/2022		0	2	Vertical Delineation	On Pad	4960	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-060	7/13/2022		2	4	Vertical Delineation	On Pad	2240	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-060	7/13/2022	4.5			Vertical Delineation	On Pad	320	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223035
GS-061					Base Grid	On Pad						Defer		
GS-061 S	7/14/2022		0	2	Vertical Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-061 S	7/14/2022		2	4	Vertical Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-061 S	7/14/2022	4.5			Vertical Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-062					Base Grid	On Pad						Defer		
GS-063					Base Grid	On Pad						Defer		
GS-064					Base Grid	On Pad						Defer		
GS-065					Base Grid	On Pad						Defer		
GS-066	5/25/2022	4.5			Base Grid	Energy Transfer	1840	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222236
GS-066 S	6/17/2022		0	2	Wall	Energy Transfer	304	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-066 S	6/17/2022		2	4	Wall	Energy Transfer	224	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-066 S	6/17/2022	4.5			Wall	Energy Transfer	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-067	6/7/2022	4.5			Base	Energy Transfer	480	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222444
GS-068	6/13/2022	4.5			Base	Energy Transfer	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222521
GS-068 W	6/13/2022		0	2	Wall	Energy Transfer	208	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222521
GS-068 W	6/13/2022		2	4	Wall	Energy Transfer	114	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222521
GS-068 W	6/13/2022	4.5			Wall	Energy Transfer	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222521
GS-068 S	7/11/2022		0	2	Wall	Energy Transfer	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-068 S	7/11/2022		2	4	Wall	Energy Transfer	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-068 S	7/11/2022	4.5			Wall	Energy Transfer	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-068.1	7/19/2022	4.5			Base	Energy Transfer	272	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-069	7/19/2022	4.5			Base	Energy Transfer	640	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-069 S	7/21/2022		0	2	Wall	Energy Transfer	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-069 S	7/21/2022		2	4	Wall	Energy Transfer	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-069 S	7/21/2022	4.5			Wall	Energy Transfer	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-070	7/11/2022	4.5			Base	Energy Transfer	160	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-071	6/7/2022	4.5			Base	Energy Transfer	544	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222444
GS-071 N	6/3/2022		0	2	Wall	Energy Transfer	224	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222372
GS-071 N	6/3/2022		2	4	Wall	Energy Transfer	240	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222372
GS-071 N	6/7/2022	4.5			Wall	Energy Transfer	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222444
GS-072	6/3/2022	4			Base	Energy Transfer	224	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222372
GS-073	7/19/2022	4.5			Base	Energy Transfer	160	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-074	7/21/2022	4.5			Base	Energy Transfer	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-075	7/21/2022	4.5			Base	Energy Transfer	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-075 C	7/21/2022		0	2	Wall	Energy Transfer	256	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-075 C	7/21/2022		2	4	Wall	Energy Transfer	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-075 C	7/21/2022	4.5			Wall	Energy Transfer	416	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223212
GS-076	7/19/2022	4.5			Base	Energy Transfer	1020	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223136
GS-077	6/1/2022	3			Base	Energy Transfer	272	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-078	6/1/2022	3			Base	Energy Transfer	672	<20	<30	<0.05	<0.30	Removed	Cardinal	H222325
GS-078	6/9/2022	3.5			Base	Energy Transfer	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222521
GS-079	6/17/2022	4.5			Base	Energy Transfer	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-079 N	7/11/2022		0	2	Wall	Energy Transfer	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-079 N	7/11/2022		2	4	Wall	Energy Transfer	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-079 N	7/11/2022	4.5			Wall	Energy Transfer	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222973
GS-080	6/30/2022	4.5			Base	Energy Transfer	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222816
GS-080 S	6/17/2022		0	2	Wall	Energy Transfer	384	<53.9	<63.9	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-080 S	6/17/2022		2	4	Wall	Energy Transfer	432	<37.2	<47.2	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-080 S	6/17/2022	4.5			Wall	Energy Transfer	192	<239	<274.8	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-081	6/1/2022	3			Base	Energy Transfer	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-081 N	6/1/2022		0	2	Wall	Energy Transfer	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-081 N	6/1/2022		2	3	Wall	Energy Transfer	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-082	6/1/2022	3			Base	Energy Transfer	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-083	6/1/2022	3			Base	Energy Transfer	208	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222325
GS-083 S	6/7/2022		0	2	Wall	Energy Transfer	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222444
GS-083 S	6/8/2022		2	3	Wall	Energy Transfer	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222444
GS-084	8/5/2022	2			Base	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-084 E	8/5/2022		0	2	Wall	ROW	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-084 NW	8/5/2022		0	2	Wall	ROW	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223520
GS-085					Base Grid	On Pad						Defer		
GS-086					Base Grid	On Pad						Defer		
GS-087					Base Grid	On Pad						Defer		
GS-088	7/14/2022		0	2	Vertical Delineation	On Pad	4080	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-088	7/14/2022		2	4	Vertical Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-088	7/14/2022	4.5			Vertical Delineation	On Pad	80	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-089					Base Grid	On Pad						Defer		
GS-089 S	7/14/2022		0	2	Horizontal Delineation	On Pad	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-089 S	7/14/2022		2	4	Horizontal Delineation	On Pad	16	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-089 S	7/14/2022	4.5			Horizontal Delineation	On Pad	16	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-090					Base Grid	On Pad						Defer		
GS-091	7/14/2022		0	2	Vertical Delineation	On Pad	4880	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-091	7/14/2022		2	4	Vertical Delineation	On Pad	2800	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-091	7/14/2022	4.5			Vertical Delineation	On Pad	208	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-092					Base Grid	On Pad						Defer		
GS-092 N	7/14/2022		0	2	Horizontal Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-092 N	7/14/2022		2	4	Horizontal Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-092 N	7/14/2022	4.5			Horizontal Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-093					Base Grid	On Pad						Defer		
GS-094	7/14/2022		0	2	Vertical Delineation	On Pad	3800	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-094	7/14/2022		2	4	Vertical Delineation	On Pad	80	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-094	7/14/2022	4.5			Vertical Delineation	On Pad	96	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-095	7/14/2022		0	2	Vertical Delineation	On Pad	4160	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-095	7/14/2022		2	4	Vertical Delineation	On Pad	2720	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-095	7/14/2022	4.5			Vertical Delineation	On Pad	16	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223067
GS-096	8/9/2022		0	2	Vertical Delineation	On Pad	64	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223569
GS-096	8/9/2022		2	4	Vertical Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223569
GS-096	8/9/2022	4.5			Vertical Delineation	On Pad	32	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223569
GS-096 N					Base Grid	On Pad						Defer		
GS-096 S					Base Grid	On Pad						Defer		
GS-097	8/3/2022	4.5			Base	ROW	2680	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-098	8/3/2022	2			Base	ROW	160	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-098 N	8/5/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Delineation	Cardinal	H223569
GS-099	8/3/2022	2			Base	ROW	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-100	8/3/2022	2			Base	ROW	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-100 S	8/3/2022		0	2	Wall	ROW	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-101	7/1/2022	4.5			Base	Pasture	368	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102	7/1/2022	4.5			Base	Pasture	2000	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102	7/1/2022	6.5			Base delineation	Pasture	4040	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-102	7/1/2022	7.5			Base delineation	Pasture	3240	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-102	7/1/2022	8.5			Base delineation	Pasture	1040	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-102 NE	7/1/2022		0	2	Wall	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102 NE	7/1/2022		2	4	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102 NE	7/1/2022	4.5			Wall	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102 W	7/1/2022		0	2	Wall	Pasture	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102 W	7/1/2022		2	4	Wall	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-102 W	7/1/2022	4.5			Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-103	7/1/2022	4.5			Base	Pasture	16600	<24.4	<34.4	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-104	7/1/2022	4.5			Base	Pasture	2480	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-104	7/1/2022	6.5			Base delineation	Pasture	2080	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-104	7/1/2022	7.5			Base delineation	Pasture	1300	NA	NA	NA	NA	Delineation	Cardinal	H222853
GS-105	7/1/2022	4.5			Base	Pasture	9040	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-105	7/11/2022	5.5			Base-Delineation	Pasture	7440	NA	NA	NA	NA	Delineation	Cardinal	H222973
GS-105	7/11/2022	6.5			Base-Delineation	Pasture	4800	NA	NA	NA	NA	Confirmation	Cardinal	H222973
GS-105 NE	7/1/2022		0	2	Wall	Pasture	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-105 NE	7/1/2022		2	4	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-105 NE	7/1/2022	4.5			Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-106	7/1/2022	4.5			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-107	7/1/2022	4.5			Base	Pasture	128	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-108	7/1/2022	4.5			Base	Pasture	3800	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-108	7/1/2022	5.5			Base Delineation	Pasture	NS	NS	NS	NS	NS	Delineation		
GS-108	7/1/2022	6.5			Base Delineation	Pasture	4000	NA	NA	NA	NA	Confirmation	Cardinal	H222853
GS-108	7/1/2022	7.5			Base	Pasture	400	NA	NA	NA	NA	Confirmation	Cardinal	H222853
GS-108 W	7/1/2022		0	2	Wall	Pasture	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-108 W	7/1/2022		2	4	Wall	Pasture	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-108 W	7/1/2022	4.5			Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-109	7/1/2022	4.5			Base	Pasture	8400	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222853
GS-110	6/21/2022	4.5			Base	Pasture	176	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-110	6/21/2022	5.5			Base Delineation	Pasture	64	NA	NA	NA	NA	Confirmation	Cardinal	H222652

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-111	6/21/2022	4.5			Base	Pasture	6560	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-112	6/21/2022	4.5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-112	6/21/2022	5.5			Base Delineation	Pasture	48	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-113	6/21/2022	4.5			Base	Pasture	5920	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-114	6/21/2022	4.5			Base	Pasture	3760	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-114	6/21/2022	5.5			Base Delineation	Pasture	1550	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-114	6/21/2022	6.5			Base Delineation	Pasture	2370	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-115	6/21/2022	4.5			Base	Pasture	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-116	8/3/2022	5			Base	Off Pad	5760	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-116E	8/3/2022		0	2	Wall	Off Pad	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-116E	8/3/2022		2	4	Wall	Off Pad	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-116E	8/3/2022	4.5			Wall	Off Pad	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H223475
GS-117	6/21/2022	5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-117	6/21/2022	6			Base delineation	Pasture	NS	NS	NS	NS	NS	Auger Refusal		
GS-117 NW	6/21/2022		0	2	Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-117 NW	6/21/2022		2	4	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-117 NW	6/21/2022	4.5			Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-118	6/21/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-119	6/21/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-119 E	6/21/2022		0	2	Wall	Pasture	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-119 E	6/21/2022		2	4	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-119 E	6/21/2022	4.5			Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-120	6/21/2022	5			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-121	6/21/2022	5			Base	Pasture	624	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-122	6/20/2022	5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-122 W	6/20/2022		0	2	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-122 W	6/20/2022		2	4	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-122 W	6/20/2022	4.5			Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-123	6/20/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-124	6/20/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-125	6/20/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-126	6/20/2022	5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-127	6/20/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-128	6/20/2022	5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-129	6/20/2022	5			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-130	6/20/2022	5			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-131	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-132	6/20/2022	2			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-132 NE	6/20/2022		0	2	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-133	6/20/2022	4.5			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-134	6/20/2022	4.5			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-134 NE	6/20/2022		0	2	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-134 NE	6/20/2022		2	4	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-134 NE	6/20/2022	4.5			Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-135	6/20/2022	4.5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-136	6/20/2022	2			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-137	6/20/2022	3.5			Base	Pasture	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-138	6/20/2022	3.5			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-139	6/20/2022	2			Base	Pasture	144	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-140	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-141	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-141 E	6/20/2022		0	2	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-142	6/20/2022	2			Base	Pasture	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-143	6/21/2022	4.5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-144	6/21/2022	4.5			Base	Pasture	6240	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-144	6/21/2022	5.5			Base Delineation	Pasture	6400	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-144	6/21/2022	6.5			Base Delineation	Pasture	6720	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-145	6/21/2022	4.5			Base	Pasture	80	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-146	6/21/2022	4.5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-147	6/21/2022	4.5			Base	Pasture	5840	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-148	6/21/2022	4.5			Base	Pasture	8400	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-148	6/21/2022	5.5			Base Delineation	Pasture	6880	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-148	6/21/2022	6.5			Base Delineation	Pasture	6320	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-149	6/21/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-149 SW	6/21/2022		0	2	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-150	6/21/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-151	6/21/2022	2			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-152	6/21/2022	5			Base	Pasture	7760	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-152	6/21/2022	6			Base Delineation	Pasture	4280	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-152	6/21/2022	7			Base Delineation	Pasture	1760	NA	NA	NA	NA	Confirmation	Cardinal	H222652
GS-153	6/21/2022	5			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-153 SE	6/21/2022		0	2	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-153 SE	6/21/2022		2	4	Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-153 SE	6/21/2022	4.5			Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-154	6/21/2022	4.5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222652
GS-155.1	6/20/2022	2			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-155.2	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-156	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-157	6/20/2022	2			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-158	6/20/2022	2			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-159	6/20/2022	2			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-160	6/20/2022	2			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-160 N	6/20/2022		0	2	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-161	6/17/2022	2			Base	Pasture	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-162	6/17/2022	4			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-163	6/17/2022	4			Base	Pasture	96	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-163 W	6/17/2022		0	2	Wall	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-163 W	6/17/2022		2	4	Wall	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-164.1	6/17/2022	4.5			Base	Pasture	64	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-164.2	6/17/2022	4.5			Base	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-165	6/20/2022	7			Base	Pasture	368	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-166	6/20/2022	7			Base	Pasture	432	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-167	6/20/2022	7			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Area	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														
> 4 ft or "in-use"							20000	1,000	2,500	10	50			
0 - 4 feet & "not in-use"							600	--	100	10	50			
GS-167 W	6/17/2022		0	2	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-167 W	6/17/2022		2	4	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-167 W	6/17/2022		4	6	Wall	Pasture	<16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-168	6/20/2022	7			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-169	6/17/2022	2			Base	Pasture	48	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-169 E	6/20/2022		0	2	Wall	Pasture	32	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
GS-170	6/17/2022	2			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-170 S	6/17/2022		0	2	Wall	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-171	6/17/2022	2			Base	Pasture	16	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222615
GS-171 SW	6/20/2022		0	2	Wall	Pasture	112	<20	<30	<0.05	<0.30	Confirmation	Cardinal	H222630
Backfill 01	7/21/2022					Backfill	96	<20	<30	<0.05	<0.30	Backfill	Cardinal	H223212
Backfill 01	8/10/2022					Backfill	80	<20	<30	<0.05	<0.30	Backfill	Cardinal	H223611
NS = Not Sampled NA = Not Analysed														

# Appendix A

## Communications



Ameredev II, LLC

## nAPP2205943754 Extension Request

Andrew Parker

Tue 7/19/2022 7:39 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>

Cc: Laura Parker <lparker@ameredev.com>

NMOCD,

To determine depth-to-water within ½-mile of the release extent, Ameredev Operating is scheduled to begin 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.

Therefore, Ameredev Operating respectfully asks NMOCD for an extension of time for the submission of the remediation and closure plans for Incident nAPP2205943754 at the Sunoco Gas Pad. It is anticipated that the 29-borehole program will take approximately 2 months to complete and finalize driller logs with the Office of the State Engineer (OSE). Reporting shall be due no later than December 15, 2022.

Per the 48-hour sampling notice dated 05/23/2022, remediation and confirmation sampling continues to date.

Andrew Parker  
Environmental Scientist  
970-570-9535



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**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Wednesday, May 25, 2022 1:53 PM

**To:** Andrew Parker <aparker@ameredev.com>

**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 104593

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2205943754, for the following reasons:

- **Remediation Plan Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. The release has not been adequately delineated. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than five hundred (500) square feet. Please resubmit a revised Remediation Plan by June 27, 2022.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 104593.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,

Jennifer Nobui

Environmental Specialist-Advanced

505-476-3441

[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@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 that reads "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 W		
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 PM 10:59

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

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# Appendix C

## Certificates of Analysis



Ameredev II, LLC



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

---

March 23, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 03/18/22 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 with a large, flowing "C" at the beginning.

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:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: SOURCE 4' (H221098-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.83	91.4	2.00	6.03	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	6.05	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.88	93.8	2.00	5.60	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	5.86	97.6	6.00	5.13	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2030	16.0	03/21/2022	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	03/22/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	<10.0	10.0	03/22/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	03/22/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: SOURCE 6' (H221098-02)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92	
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6	
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5	
Total BTEX	<0.300	0.300	03/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1520	16.0	03/21/2022	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	03/22/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	<10.0	10.0	03/22/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	03/22/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 011 0' (H221098-03)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	<0.050	0.050	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11800	16.0	03/21/2022	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	03/22/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	<10.0	10.0	03/22/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	03/22/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 057 0' (H221098-04)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	<0.050	0.050	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>19600</b>	16.0	03/21/2022	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	03/22/2022	ND	197	98.5	200	7.82	
<b>DRO &gt;C10-C28*</b>	<b>102</b>	10.0	03/22/2022	ND	197	98.3	200	8.07	
<b>EXT DRO &gt;C28-C36</b>	<b>12.8</b>	10.0	03/22/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 110 0' (H221098-05)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	<0.050	0.050	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	40800	16.0	03/21/2022	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	03/22/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	<10.0	10.0	03/22/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	03/22/2022	ND					

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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

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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**

**ANALYSIS REQUEST**

**BILL TO**

Company Name: **Amerdev**  
Project Manager: **Andrew Parker**

P.O. # **2020216-2020-water**

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Company: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Attn: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Address: \_\_\_\_\_

Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_

City: \_\_\_\_\_

Project Name: **2020216-2020-WATER**

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Project Location: **SUNO**

Phone #: \_\_\_\_\_

Sampler Name: **SACOB SNEWZ**

Fax #: \_\_\_\_\_

FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_ Sample I.D. \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME
H221098	1	Soil	4	SOIL	X	ICE / COOL	9/14/20	11:00am
	2	Soil	1	SOIL			11:15am	
	3	GS-011	1	SOIL			11:20am	
	4	GS-057	1	SOIL			11:30am	
	5	GS-110	1	SOIL			11:30am	

X Chloride  
X TPH (Gro + DR + Mbs)  
X Benzene, BTEX

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Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_

Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Reinquinshed By: \_\_\_\_\_ Date: \_\_\_\_\_

Delivered By: (Circle One)  Observed Temp. °C **8.5** Sample Condition  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: \_\_\_\_\_ Corrected Temp. °C **8.0**  Yes  No

Checked By: \_\_\_\_\_ (Initials) \_\_\_\_\_

Turnaround Time: \_\_\_\_\_ Standard  Add'l Phone #: \_\_\_\_\_

Thermometer ID # **113**  Bacteria (only)  Sample Condition  Intact  Cool  Yes  No

Correction Factor **+0.2**   Yes  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

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June 01, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 05/25/22 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 with a large, flowing "C" and "K".

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:	05/25/2022	Sampling Date:	05/25/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	[none]	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 066 4.5' (H222236-01)**

BTEX 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.13	107	2.00	9.63	
Toluene*	<0.050	0.050	05/28/2022	ND	2.10	105	2.00	9.89	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	9.75	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.31	105	6.00	9.56	
Total BTEX	<0.300	0.300	05/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1840	16.0	05/31/2022	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	05/27/2022	ND	204	102	200	1.17	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	195	97.5	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: ~~Advanced Energy Partners~~ Amerdev  
 Project Manager: Andrew Parker  
 Address: On-File  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Location: Sonora  
 Sampler Name: Jacob Saenz  
 P.O. #: Company: AEP  
 Attn: Send to  
 Address: aparker@  
 City: amerdev.com  
 State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H000034	GS-066	C	1								5/25/02	9:30	X	X	X

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Relinquished By: SPACOB SAENZ Date: 5-25-22 Received By: Jacob Saenz  
 Time: 1433  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Delivered By: (Circle One) 4.10 C-O.50  
 Sampler - UPS - Bus - Other: 3.60  
 Sample Condition: Cool  Intact   
 Checked By: (Initials) AS  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

June 13, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/01/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 077 3'	H222325-01	Soil	01-Jun-22 13:00	01-Jun-22 16:25
GS - 078 3'	H222325-02	Soil	01-Jun-22 13:05	01-Jun-22 16:25
GS - 081 N. 0-2'	H222325-03	Soil	01-Jun-22 13:10	01-Jun-22 16:25
GS - 081 N. 2-3'	H222325-04	Soil	01-Jun-22 13:15	01-Jun-22 16:25
GS - 081 3'	H222325-05	Soil	01-Jun-22 13:20	01-Jun-22 16:25
GS - 082 3'	H222325-06	Soil	01-Jun-22 13:30	01-Jun-22 16:25
GS - 083 3'	H222325-07	Soil	01-Jun-22 13:35	01-Jun-22 16:25

06/13/22 - Client change the sample ID of -01 (See COC). This is the revised report and will replace the one sent on 06/07/22.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
--	---	------------------------------

**GS - 077 3'**  
**H222325-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>272</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9-140		2060301	JH	03-Jun-22	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
Surrogate: 1-Chlorooctane			75.4 %	66.9-136		2060225	MS	06-Jun-22	8015B	
Surrogate: 1-Chlorooctadecane			78.1 %	59.5-142		2060225	MS	06-Jun-22	8015B	

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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 Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
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**GS - 078 3'**  
**H222325-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>672</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		69.9-140	2060301	JH	03-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.8 %		66.9-136	2060225	MS	06-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.2 %		59.5-142	2060225	MS	06-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAI  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
13-Jun-22 17:06

**GS - 081 N. 0-2'**  
**H222325-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2060301	JH	03-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.4 %	66.9-136		2060225	MS	06-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.1 %	59.5-142		2060225	MS	06-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
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**GS - 081 N. 2-3'**  
**H222325-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2060301	JH	03-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.7 %	66.9-136		2060211	MS	02-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	59.5-142		2060211	MS	02-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAI  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
13-Jun-22 17:06

**GS - 081 3'**  
**H222325-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %		69.9-140	2060301	JH	03-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060211	MS	02-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		66.9-136	2060211	MS	02-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %		59.5-142	2060211	MS	02-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAI  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
13-Jun-22 17:06

**GS - 082 3'**  
**H222325-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140 2060301 JH 03-Jun-22 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	

Surrogate: 1-Chlorooctane 75.1 % 66.9-136 2060225 MS 06-Jun-22 8015B

Surrogate: 1-Chlorooctadecane 77.9 % 59.5-142 2060225 MS 06-Jun-22 8015B

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAI  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
13-Jun-22 17:06

**GS - 083 3'**  
**H222325-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	2060308	GM	03-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2060301	JH	03-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2060301	JH	03-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	69.9-140		2060301	JH	03-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2060225	MS	06-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.2 %	66.9-136		2060225	MS	06-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.3 %	59.5-142		2060225	MS	06-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2060308 - 1:4 DI Water</b>										
<b>Blank (2060308-BLK1)</b>										
Prepared & Analyzed: 03-Jun-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2060308-BS1)</b>										
Prepared & Analyzed: 03-Jun-22										
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (2060308-BSD1)</b>										
Prepared & Analyzed: 03-Jun-22										
Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20	

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAI  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
13-Jun-22 17:06

**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
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**Batch 2060301 - Volatiles****Blank (2060301-BLK1)**

Prepared &amp; Analyzed: 03-Jun-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		99.4	69.9-140			

**LCS (2060301-BS1)**

Prepared &amp; Analyzed: 03-Jun-22

Benzene	2.04	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.09	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.4	84.2-121			
m,p-Xylene	3.89	0.100	mg/kg	4.00		97.2	89.9-126			
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	84.3-123			
Total Xylenes	5.81	0.150	mg/kg	6.00		96.9	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	69.9-140			

**LCS Dup (2060301-BSD1)**

Prepared &amp; Analyzed: 03-Jun-22

Benzene	1.99	0.050	mg/kg	2.00		99.6	83.4-122	2.36	12.6	
Toluene	1.96	0.050	mg/kg	2.00		98.0	84.2-126	6.46	13.3	
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.4	84.2-121	5.16	13.9	
m,p-Xylene	3.70	0.100	mg/kg	4.00		92.4	89.9-126	5.01	13.6	
o-Xylene	1.84	0.050	mg/kg	2.00		92.1	84.3-123	4.57	14.1	
Total Xylenes	5.54	0.150	mg/kg	6.00		92.3	89.1-124	4.86	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.9	69.9-140			

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\* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
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**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
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**Batch 2060211 - General Prep - Organics**

<b>Blank (2060211-BLK1)</b>		Prepared & Analyzed: 02-Jun-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	56.2		mg/kg	50.0		112	66.9-136			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	59.5-142			

<b>LCS (2060211-BS1)</b>		Prepared & Analyzed: 02-Jun-22								
GRO C6-C10	207	10.0	mg/kg	200		104	78.5-128			
DRO >C10-C28	195	10.0	mg/kg	200		97.3	75.8-135			
Total TPH C6-C28	402	10.0	mg/kg	400		100	81.5-127			
Surrogate: 1-Chlorooctane	59.4		mg/kg	50.0		119	66.9-136			
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	59.5-142			

<b>LCS Dup (2060211-BSD1)</b>		Prepared & Analyzed: 02-Jun-22								
GRO C6-C10	221	10.0	mg/kg	200		111	78.5-128	6.66	21.4	
DRO >C10-C28	210	10.0	mg/kg	200		105	75.8-135	7.55	17.9	
Total TPH C6-C28	431	10.0	mg/kg	400		108	81.5-127	7.09	17.6	
Surrogate: 1-Chlorooctane	65.8		mg/kg	50.0		132	66.9-136			
Surrogate: 1-Chlorooctadecane	66.6		mg/kg	50.0		133	59.5-142			

**Batch 2060225 - General Prep - Organics**

<b>Blank (2060225-BLK1)</b>		Prepared: 03-Jun-22 Analyzed: 06-Jun-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	49.2		mg/kg	50.0		98.4	66.9-136			
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAI Project Manager: ANDREW PARKER Fax To:	Reported: 13-Jun-22 17:06
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**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
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**Batch 2060225 - General Prep - Organics**

<b>LCS (2060225-BS1)</b>		Prepared: 03-Jun-22 Analyzed: 06-Jun-22								
GRO C6-C10	207	10.0	mg/kg	200		104	78.5-128			
DRO >C10-C28	203	10.0	mg/kg	200		101	75.8-135			
Total TPH C6-C28	410	10.0	mg/kg	400		103	81.5-127			
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	66.9-136			
Surrogate: 1-Chlorooctadecane	56.7		mg/kg	50.0		113	59.5-142			
<b>LCS Dup (2060225-BSD1)</b>		Prepared: 03-Jun-22 Analyzed: 06-Jun-22								
GRO C6-C10	209	10.0	mg/kg	200		104	78.5-128	0.507	21.4	
DRO >C10-C28	198	10.0	mg/kg	200		99.2	75.8-135	2.08	17.9	
Total TPH C6-C28	407	10.0	mg/kg	400		102	81.5-127	0.765	17.6	
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	66.9-136			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0		117	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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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

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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





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June 09, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/03/22 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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, flowing 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:	06/03/2022	Sampling Date:	06/03/2022
Reported:	06/09/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 071 N. 0-2' (H222372-01)**

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	06/07/2022	ND	2.11	106	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2022	ND	2.11	106	2.00	2.82	
Ethylbenzene*	<0.050	0.050	06/07/2022	ND	1.98	99.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	06/07/2022	ND	6.20	103	6.00	4.08	
Total BTEX	<0.300	0.300	06/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	224	16.0	06/07/2022	ND	416	104	400	8.00	

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	06/07/2022	ND	208	104	200	5.89	
DRO >C10-C28*	<10.0	10.0	06/07/2022	ND	193	96.5	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/07/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.2 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/03/2022	Sampling Date:	06/03/2022
Reported:	06/09/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 071 N. 2-4' (H222372-02)**

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	06/07/2022	ND	2.11	106	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2022	ND	2.11	106	2.00	2.82	
Ethylbenzene*	<0.050	0.050	06/07/2022	ND	1.98	99.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	06/07/2022	ND	6.20	103	6.00	4.08	
Total BTEX	<0.300	0.300	06/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	240	16.0	06/07/2022	ND	416	104	400	8.00	

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	06/07/2022	ND	208	104	200	5.89	
DRO >C10-C28*	<10.0	10.0	06/07/2022	ND	193	96.5	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/07/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/03/2022	Sampling Date:	06/03/2022
Reported:	06/09/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 072 4' (H222372-03)**

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	06/07/2022	ND	2.11	106	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2022	ND	2.11	106	2.00	2.82	
Ethylbenzene*	<0.050	0.050	06/07/2022	ND	1.98	99.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	06/07/2022	ND	6.20	103	6.00	4.08	
Total BTEX	<0.300	0.300	06/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	224	16.0	06/07/2022	ND	416	104	400	8.00	

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	06/07/2022	ND	208	104	200	5.89	
DRO >C10-C28*	<10.0	10.0	06/07/2022	ND	193	96.5	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/07/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.4 % 59.5-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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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: **Ameredelev**  
 Project Manager: **Andrew Parker**  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Location: **SUNOCO**  
 Sampler Name: **SACOB SNEWZ**

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV.	SAMPLING	ANALYSIS REQUEST
H022370 2 3	GS-071N	0.2FT	1			SOIL	ACID/BASE:	DATE	Chloride
	GS-071N	2.4FT	1			OIL	ICE / COOL	10:30am	TOH (GRO+DRO+MRO)
	GS-072	4FT	1			SLUDGE	OTHER:	10:50pm	Benzene (BTEA)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's recourse remedy for any claim arising when used in contract order, 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 stated upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: **6/3/2022** Received By: \_\_\_\_\_  
 Time: **11:50 AM** Received By: **Shodrickmery**  
 Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C: **44.0** Sample Condition:  Intact  Cool  Intact  
 Corrected Temp. °C: **3.9**  Yes  No

Checked By: **SR** (Initials)

Turnaround Time:  Standard  Bacteria (only) Sample Condition  
 Thermometer ID # **113**  Rush  Cool  Intact  
 Correction Factor **-0.5**  Yes  No  No  No

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



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

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June 13, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/08/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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, flowing 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:	06/08/2022	Sampling Date:	06/07/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Yvonne Muniz
Project Location:	NONE GIVEN		

**Sample ID: GS - 071 N. 4.5' SUNOCO (H222444-01)**

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	06/10/2022	ND	2.02	101	2.00	2.67	
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	16.0	16.0	06/09/2022	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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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:	06/08/2022	Sampling Date:	06/07/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Yvonne Muniz
Project Location:	NONE GIVEN		

**Sample ID: GS - 071 4.5' SUNOCO (H222444-02)**

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	06/10/2022	ND	2.02	101	2.00	2.67	
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	544	16.0	06/09/2022	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/08/2022	Sampling Date:	06/07/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Yvonne Muniz
Project Location:	NONE GIVEN		

**Sample ID: GS - 067 4.5' SUNOCO (H222444-03)**

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	06/10/2022	ND	2.02	101	2.00	2.67		
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76		
Total BTEX	<0.300	0.300	06/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	480	16.0	06/09/2022	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	06/09/2022	ND	181	90.3	200	3.11		
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552		
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND						

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/08/2022	Sampling Date:	06/07/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Yvonne Muniz
Project Location:	NONE GIVEN		

**Sample ID: GS - 083 S 0-2' SUNOCO (H222444-04)**

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	06/10/2022	ND	2.02	101	2.00	2.67		
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76		
Total BTEX	<0.300	0.300	06/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	128	16.0	06/09/2022	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	06/09/2022	ND	181	90.3	200	3.11		
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552		
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND						

Surrogate: 1-Chlorooctane 92.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/08/2022	Sampling Date:	06/08/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Yvonne Muniz
Project Location:	NONE GIVEN		

**Sample ID: GS - 083 S 2-3' SUNOCO (H222444-05)**

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	06/10/2022	ND	2.02	101	2.00	2.67	
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	06/09/2022	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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

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*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  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sumac Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-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						PRESERV	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H222444-	1 GS-071U 4.5ft Sumac		1							6-7-22	08:12	Chloride	
	2 GS-071 4.5ft Sumac		1							6-7-22	08:20	TPH (Gro + Drot + Mro)	
	3 GS-067 4.5ft Sumac		1							6-7-22	08:24	Benzene, BTH	
	4 GS-083S 0-2ft Sumac		1							6-7-22	08:30		
	5 GS-083S 2-3ft Sumac		1							6-8-22	08:10		

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Relinquished By: Jesus Palomares Date: 6-8-22 Time: 17:00  
 Received By: Andrew Weiss  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One)  UPS - Bus - Other: \_\_\_\_\_  
 Observed Temp. °C: 5.9 Corrected Temp. °C: 5.4  
 Sample Condition:  Intact  Broken  Yes  No  
 CHECKED BY: [Signature]  
 Turnaround Time: \_\_\_\_\_ Standard  Rush  
 Thermometer ID #113 Correction Factor -0.5°C  
 Bacteria (only) Sample Condition:  Intact  Yes  No  
 Observed Temp. °C: \_\_\_\_\_ Corrected Temp. °C: \_\_\_\_\_



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June 17, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 15:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 008 2FT SUNOCO (H222500-01)**

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEX	<0.300	0.300	06/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	112	16.0	06/13/2022	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	06/16/2022	ND	184	92.2	200	7.97	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	192	95.9	200	8.82	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 72.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 009 2FT SUNOCO (H222500-02)**

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEX	<0.300	0.300	06/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	176	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 009 E. 0-2FT SUNOCO (H222500-03)**

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEX	<0.300	0.300	06/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	112	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 010 1.5FT SUNOCO (H222500-04)**

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	06/13/2022	ND	2.12	106	2.00	8.50		
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04		
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24		
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67		
Total BTEX	<0.300	0.300	06/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12		
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55		
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND						

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 010 W 0-1.5FT SUNOCO (H222500-05)**

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	06/13/2022	ND	2.12	106	2.00	8.50		
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04		
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24		
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67		
Total BTEX	<0.300	0.300	06/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12		
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55		
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND						

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/17/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	** (See Notes)
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 011 1FT SUNOCO (H222500-06)**

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEX	<0.300	0.300	06/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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.
- 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

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*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: Amereder  
 Project Manager: Andrew Parker  
 Address: On File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sunoco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-water  
 Company: Amereder  
 Attn: aparker@  
 Address: Amereder.com  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<u>2022-50P</u>	<u>GS-078</u>	<u>3.5ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-09</u>	<u>15:00</u>	<u>Chloride</u>					
<u>1</u>	<u>GS-008</u>	<u>2ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>13:00</u>	<u>TPH (GRO+DRO+MRO)</u>					
<u>2</u>	<u>GS-009</u>	<u>2ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>13:17</u>	<u>BENZENE, BTEX</u>					
<u>3</u>	<u>GS-009 E</u>	<u>0.2ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>13:30</u>						
<u>4</u>	<u>GS-010</u>	<u>1.5ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>13:45</u>						
<u>5</u>	<u>GS-010W</u>	<u>0.15ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>14:00</u>						
<u>6</u>	<u>GS-011</u>	<u>1ft Sunoco</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>06-10</u>	<u>14:00</u>						

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Relinquished By: \_\_\_\_\_  
 Relinquished Date: \_\_\_\_\_  
 Relinquished Time: \_\_\_\_\_  
 Received By: Modirigera  
 Received Date: 15510  
 Received Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C: 7.0°C  
 Corrected Temp. °C: 7.1°C  
 Sample Condition:  Cool  Intact  Yes  No  Yes  No  
 CHECKED BY: \_\_\_\_\_ (Initials)  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113  
 Correction Factor -0.5°C  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 Standard  Rush   
 Bacteria (only)  Cool  Intact  Yes  No  Yes  No  
 Sample Condition Observed Temp. °C  
 Corrected Temp. °C



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

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June 16, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/13/22 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 with a large, flowing "C" and "K".

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:	06/13/2022	Sampling Date:	06/09/2022
Reported:	06/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 078 3.5' SUNOCO (H222521-01)**

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	06/14/2022	ND	2.17	109	2.00	0.275	
Toluene*	<0.050	0.050	06/14/2022	ND	2.14	107	2.00	1.67	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.09	104	2.00	2.04	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.48	108	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	32.0	16.0	06/14/2022	ND	400	100	400	3.92	

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	06/14/2022	ND	183	91.4	200	5.49	
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	185	92.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/13/2022	Sampling Date:	06/13/2022
Reported:	06/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 068 4.5' SUNOCO (H222521-02)**

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	06/14/2022	ND	2.17	109	2.00	0.275		
Toluene*	<0.050	0.050	06/14/2022	ND	2.14	107	2.00	1.67		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.09	104	2.00	2.04		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.48	108	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	<16.0	16.0	06/14/2022	ND	400	100	400	3.92		

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	06/14/2022	ND	183	91.4	200	5.49		
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	185	92.4	200	1.83		
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND						

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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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:	06/13/2022	Sampling Date:	06/13/2022
Reported:	06/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 068 W 0-2' SUNOCO (H222521-03)**

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	06/14/2022	ND	2.17	109	2.00	0.275		
Toluene*	<0.050	0.050	06/14/2022	ND	2.14	107	2.00	1.67		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.09	104	2.00	2.04		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.48	108	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	208	16.0	06/14/2022	ND	400	100	400	3.92		

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	06/14/2022	ND	183	91.4	200	5.49		
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	185	92.4	200	1.83		
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND						

Surrogate: 1-Chlorooctane 69.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/13/2022	Sampling Date:	06/13/2022
Reported:	06/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 068 W 2-4' SUNOCO (H222521-04)**

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	06/14/2022	ND	2.17	109	2.00	0.275		
Toluene*	<0.050	0.050	06/14/2022	ND	2.14	107	2.00	1.67		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.09	104	2.00	2.04		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.48	108	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	06/14/2022	ND	400	100	400	3.92		

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	06/14/2022	ND	183	91.4	200	5.49		
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	185	92.4	200	1.83		
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND						

Surrogate: 1-Chlorooctane 68.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/13/2022	Sampling Date:	06/13/2022
Reported:	06/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 068 W 4.5' SUNOCO (H222521-05)**

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	06/14/2022	ND	2.17	109	2.00	0.275	
Toluene*	<0.050	0.050	06/14/2022	ND	2.14	107	2.00	1.67	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.09	104	2.00	2.04	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.48	108	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	80.0	16.0	06/14/2022	ND	400	100	400	3.92	

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	06/14/2022	ND	183	91.4	200	5.49	
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	185	92.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.2 % 59.5-142

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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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**

<b>Company Name:</b> Amecden <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> 20220216-2020-water <b>Project Location:</b> Sunco Pad <b>Sampler Name:</b> Jesus Palomares		<b>BILL TO</b> <b>P.O. #:</b> 20220216-2020-water <b>Company:</b> Amecden <b>Attn:</b> aparker@amecden.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>SAMPLING</b>	
1 2 3 4 5		GS-018 3.5ft Sunco GS-068 4.5ft Sunco GS-068 W 4.2ft Sunco GS-068 W 2.4ft Sunco GS-068 W 4.5ft Sunco		DATE TIME 06-09-22 14:20 06-13-22 13:30 06-15-22 13:40 06-15-22 15:45 06-15-22 13:50	
(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	
1 2 3 4 5		1 1 1 1 1		1 1 1 1 1	
Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)	

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**Relinquished By:** Jesus Palomares  
 Date: 07/13/22  
 Time: 15:35

**Received By:** Rodriguez  
 Date: 07/13/22  
 Time: 15:35

**Delivered By:** (Circle One)  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 4.1°C

**Observed Temp. °C:** 4.1°C  
**Corrected Temp. °C:** 4.1°C

**Sample Condition:**  
 Cool Intact:  Yes  No  
 Sample Intact:  Yes  No

**Checked By:** SRP (Initials)

**Turnaround Time:** Standard  Rush   
 Thermometer ID #113  
 Correction Factor -0.5°C

**Bacteria (only) Sample Condition:**  
 Cool Intact:  Yes  No  
 Observed Temp. °C:  Yes  No  
 Corrected Temp. °C:  Yes  No

**Remarks:**

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



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

June 23, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/17/22 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 005 4.5' SUNOCO	H222615-01	Soil	17-Jun-22 09:10	17-Jun-22 16:20
GS - 004 4.5' SUNOCO	H222615-02	Soil	17-Jun-22 09:20	17-Jun-22 16:20
GS - 004 W 0-2' SUNOCO	H222615-03	Soil	17-Jun-22 09:25	17-Jun-22 16:20
GS - 004 W 2-4' SUNOCO	H222615-04	Soil	17-Jun-22 09:28	17-Jun-22 16:20
GS - 004 W 4.5' SUNOCO	H222615-05	Soil	17-Jun-22 09:32	17-Jun-22 16:20
GS - 006 2' SUNOCO	H222615-06	Soil	17-Jun-22 09:40	17-Jun-22 16:20
GS - 007 4.5' SUNOCO	H222615-07	Soil	17-Jun-22 09:47	17-Jun-22 16:20
GS - 066 S 0-2' SUNOCO	H222615-08	Soil	17-Jun-22 09:54	17-Jun-22 16:20
GS - 066 S 2-4' SUNOCO	H222615-09	Soil	17-Jun-22 10:01	17-Jun-22 16:20
GS - 066 S 4.5' SUNOCO	H222615-10	Soil	17-Jun-22 10:05	17-Jun-22 16:20
GS - 079 4.5' SUNOCO	H222615-11	Soil	17-Jun-22 10:09	17-Jun-22 16:20
GS - 080 S 0-2' SUNOCO	H222615-12	Soil	17-Jun-22 10:16	17-Jun-22 16:20
GS - 080 S 2-4' SUNOCO	H222615-13	Soil	17-Jun-22 10:20	17-Jun-22 16:20
GS - 080 S 4.5' SUNOCO	H222615-14	Soil	17-Jun-22 10:23	17-Jun-22 16:20
GS - 161 2' SUNOCO	H222615-15	Soil	17-Jun-22 10:27	17-Jun-22 16:20
GS - 162 4' SUNOCO	H222615-16	Soil	17-Jun-22 10:31	17-Jun-22 16:20
GS - 163 4' SUNOCO	H222615-17	Soil	17-Jun-22 10:33	17-Jun-22 16:20
GS - 163 W 0-2' SUNOCO	H222615-18	Soil	17-Jun-22 10:39	17-Jun-22 16:20
GS - 163 W 2-4' SUNOCO	H222615-19	Soil	17-Jun-22 10:44	17-Jun-22 16:20
GS - 164.1 4.5' SUNOCO	H222615-20	Soil	17-Jun-22 10:50	17-Jun-22 16:20
GS - 164.2 4.5' SUNOCO	H222615-21	Soil	17-Jun-22 11:00	17-Jun-22 16:20
GS - 167 W 0-2' SUNOCO	H222615-22	Soil	17-Jun-22 11:10	17-Jun-22 16:20
GS - 167 W 2-4' SUNOCO	H222615-23	Soil	17-Jun-22 11:19	17-Jun-22 16:20
GS - 167 W 4-6' SUNOCO	H222615-24	Soil	17-Jun-22 11:24	17-Jun-22 16:20
GS - 169 2' SUNOCO	H222615-25	Soil	17-Jun-22 11:30	17-Jun-22 16:20
GS - 170 2' SUNOCO	H222615-26	Soil	17-Jun-22 11:35	17-Jun-22 16:20
GS - 170 S 0-2' SUNOCO	H222615-27	Soil	17-Jun-22 11:40	17-Jun-22 16:20

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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GS - 171 2' SUNOCO	H222615-28	Soil	17-Jun-22 11:50	17-Jun-22 16:20
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06/23/22 - Client changed the sample IDs for -22, -23 and -24 (See COC). This is the revised report and will replace the one sent on 06/22/22.

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
--	---	------------------------------

**GS - 005 4.5' SUNOCO  
H222615-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062018	JH/	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2062018	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	

Surrogate: 1-Chlorooctane			108 %	66.9-136		2062012	MS	20-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	59.5-142		2062012	MS	20-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**GS - 004 4.5' SUNOCO****H222615-02 (Soil)**

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

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

Chloride	64.0		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062018	JH/	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2062018	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	

Surrogate: 1-Chlorooctane			90.0 %	66.9-136		2062012	MS	20-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			90.2 %	59.5-142		2062012	MS	20-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 004 W 0-2' SUNOCO  
H222615-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062018	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062018	JH/	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		69.9-140	2062018	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.2 %		66.9-136	2062012	MS	20-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.8 %		59.5-142	2062012	MS	20-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**GS - 004 W 2-4' SUNOCO****H222615-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.5 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	

Surrogate: 1-Chlorooctane			79.4 %	66.9-136		2062012	MS	20-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			78.3 %	59.5-142		2062012	MS	20-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 004 W 4.5' SUNOCO  
H222615-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062012	MS	20-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.7 %		66.9-136	2062012	MS	20-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.2 %		59.5-142	2062012	MS	20-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 006 2' SUNOCO  
H222615-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2062119	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.8 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.7 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 007 4.5' SUNOCO  
H222615-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.9 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 066 S 0-2' SUNOCO  
H222615-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.2 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.4 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 066 S 2-4' SUNOCO  
H222615-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.5 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

Surrogate: 1-Chlorooctane			103 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			114 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 066 S 4.5' SUNOCO  
H222615-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.3 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 079 4.5' SUNOCO  
H222615-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.1 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

Surrogate: 1-Chlorooctane			92.1 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 080 S 0-2' SUNOCO  
H222615-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>384</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>43.9</b>		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.0 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 080 S 2-4' SUNOCO  
H222615-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>432</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>27.2</b>		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.9 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**GS - 080 S 4.5' SUNOCO**  
**H222615-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>229</b>		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>35.8</b>		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.5 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 161 2' SUNOCO  
H222615-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.5 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

Surrogate: 1-Chlorooctane			90.4 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			98.0 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 162 4' SUNOCO  
H222615-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.6 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 163 4' SUNOCO  
H222615-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.0 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.4 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 163 W 0-2' SUNOCO  
H222615-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.7 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 163 W 2-4' SUNOCO  
H222615-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		69.9-140	2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.3 %		66.9-136	2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		59.5-142	2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**GS - 164.1 4.5' SUNOCO  
H222615-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

Surrogate: 1-Chlorooctane			107 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 164.2 4.5' SUNOCO  
H222615-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.9 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.4 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 167 W 0-2' SUNOCO  
H222615-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.6 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 167 W 2-4' SUNOCO  
H222615-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062019	JH	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062019	JH	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2062019	JH	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.5 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 167 W 4-6' SUNOCO  
H222615-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062105	JH/	21-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2062105	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

Surrogate: 1-Chlorooctane			96.0 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 169 2' SUNOCO  
H222615-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062105	JH/	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	69.9-140		2062105	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062013	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.1 %	66.9-136		2062013	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.1 %	59.5-142		2062013	MS	21-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 170 2' SUNOCO  
H222615-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062123	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062105	JH/	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2062105	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.5 %	66.9-136		2062020	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %	59.5-142		2062020	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 170 S 0-2' SUNOCO  
H222615-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062127	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062105	JH/	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2062105	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	66.9-136		2062020	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	59.5-142		2062020	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**GS - 171 2' SUNOCO  
H222615-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2062127	GM	21-Jun-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062105	JH/	21-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062105	JH/	21-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %		69.9-140	2062105	JH/	21-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062020	MS	21-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.8 %		66.9-136	2062020	MS	21-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %		59.5-142	2062020	MS	21-Jun-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2062119 - 1:4 DI Water**

<b>Blank (2062119-BLK1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2062119-BS1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2062119-BSD1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 2062123 - 1:4 DI Water**

<b>Blank (2062123-BLK1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2062123-BS1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2062123-BSD1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 2062127 - 1:4 DI Water**

<b>Blank (2062127-BLK1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2062127-BS1)</b>										
Prepared & Analyzed: 21-Jun-22										
Chloride	416	16.0	mg/kg	400		104	80-120			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2062127 - 1:4 DI Water**

**LCS Dup (2062127-BSD1)**

Prepared & Analyzed: 21-Jun-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**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
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**Batch 2062018 - Volatiles****Blank (2062018-BLK1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-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)	0.0507		mg/kg	0.0500		101	69.9-140			

**LCS (2062018-BS1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

Benzene	1.95	0.050	mg/kg	2.00		97.3	83.4-122			
Toluene	1.92	0.050	mg/kg	2.00		96.0	84.2-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	84.2-121			
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89.9-126			
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	84.3-123			
Total Xylenes	6.04	0.150	mg/kg	6.00		101	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.7	69.9-140			

**LCS Dup (2062018-BS1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

Benzene	1.95	0.050	mg/kg	2.00		97.5	83.4-122	0.258	12.6	
Toluene	1.94	0.050	mg/kg	2.00		97.2	84.2-126	1.15	13.3	
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.3	84.2-121	0.0444	13.9	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89.9-126	1.00	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	84.3-123	1.24	14.1	
Total Xylenes	5.97	0.150	mg/kg	6.00		99.5	89.1-124	1.08	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	69.9-140			

**Batch 2062019 - Volatiles****Blank (2062019-BLK1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-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							

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
23-Jun-22 16:36

**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
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**Batch 2062019 - Volatiles****Blank (2062019-BLK1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.9	69.9-140			

**LCS (2062019-BS1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

Benzene	1.96	0.050	mg/kg	2.00		97.8	83.4-122			
Toluene	1.96	0.050	mg/kg	2.00		97.9	84.2-126			
Ethylbenzene	1.86	0.050	mg/kg	2.00		93.2	84.2-121			
m,p-Xylene	3.94	0.100	mg/kg	4.00		98.5	89.9-126			
o-Xylene	1.89	0.050	mg/kg	2.00		94.7	84.3-123			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0470		mg/kg	0.0500		94.0	69.9-140			

**LCS Dup (2062019-BSD1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

Benzene	1.91	0.050	mg/kg	2.00		95.7	83.4-122	2.08	12.6	
Toluene	1.91	0.050	mg/kg	2.00		95.3	84.2-126	2.67	13.3	
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.3	84.2-121	2.07	13.9	
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.6	89.9-126	2.00	13.6	
o-Xylene	1.85	0.050	mg/kg	2.00		92.4	84.3-123	2.54	14.1	
Total Xylenes	5.71	0.150	mg/kg	6.00		95.2	89.1-124	2.18	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0473		mg/kg	0.0500		94.6	69.9-140			

**Batch 2062105 - Volatiles****Blank (2062105-BLK1)**

Prepared &amp; Analyzed: 21-Jun-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)	0.0507		mg/kg	0.0500		101	69.9-140			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**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
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**Batch 2062105 - Volatiles**

**LCS (2062105-BS1)**

Prepared & Analyzed: 21-Jun-22

Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.04	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	89.9-126			
o-Xylene	2.01	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.27	0.150	mg/kg	6.00		104	89.1-124			

Surrogate: 4-Bromofluorobenzene (PID)

0.0493 mg/kg 0.0500 98.6 69.9-140

**LCS Dup (2062105-BS1)**

Prepared & Analyzed: 21-Jun-22

Benzene	1.99	0.050	mg/kg	2.00		99.6	83.4-122	3.31	12.6	
Toluene	1.96	0.050	mg/kg	2.00		98.1	84.2-126	3.64	13.3	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	84.2-121	2.74	13.9	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89.9-126	2.71	13.6	
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	84.3-123	2.96	14.1	
Total Xylenes	6.09	0.150	mg/kg	6.00		102	89.1-124	2.79	13.4	

Surrogate: 4-Bromofluorobenzene (PID)

0.0493 mg/kg 0.0500 98.7 69.9-140

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\*=Accredited Analyte

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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 Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**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
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**Batch 2062012 - General Prep - Organics**

<b>Blank (2062012-BLK1)</b>		Prepared & Analyzed: 20-Jun-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	43.7		mg/kg	50.0		87.4	66.9-136			
Surrogate: 1-Chlorooctadecane	41.2		mg/kg	50.0		82.5	59.5-142			

<b>LCS (2062012-BS1)</b>		Prepared & Analyzed: 20-Jun-22								
GRO C6-C10	184	10.0	mg/kg	200		92.1	78.5-128			
DRO >C10-C28	195	10.0	mg/kg	200		97.5	75.8-135			
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	81.5-127			
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.7	66.9-136			
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0		97.1	59.5-142			

<b>LCS Dup (2062012-BS1)</b>		Prepared & Analyzed: 20-Jun-22								
GRO C6-C10	231	10.0	mg/kg	200		116	78.5-128	22.5	21.4	QR-04
DRO >C10-C28	247	10.0	mg/kg	200		123	75.8-135	23.4	17.9	QR-04
Total TPH C6-C28	478	10.0	mg/kg	400		119	81.5-127	23.0	17.6	QR-04
Surrogate: 1-Chlorooctane	57.4		mg/kg	50.0		115	66.9-136			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	59.5-142			

**Batch 2062013 - General Prep - Organics**

<b>Blank (2062013-BLK1)</b>		Prepared: 20-Jun-22 Analyzed: 21-Jun-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	66.9-136			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	59.5-142			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**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
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**Batch 2062013 - General Prep - Organics**

<b>LCS (2062013-BS1)</b>		Prepared: 20-Jun-22 Analyzed: 21-Jun-22								
GRO C6-C10	174	10.0	mg/kg	200		87.1	78.5-128			
DRO >C10-C28	176	10.0	mg/kg	200		88.1	75.8-135			
Total TPH C6-C28	351	10.0	mg/kg	400		87.6	81.5-127			
Surrogate: 1-Chlorooctane	54.5		mg/kg	50.0		109	66.9-136			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	59.5-142			

<b>LCS Dup (2062013-BSD1)</b>		Prepared: 20-Jun-22 Analyzed: 21-Jun-22								
GRO C6-C10	171	10.0	mg/kg	200		85.6	78.5-128	1.77	21.4	
DRO >C10-C28	175	10.0	mg/kg	200		87.7	75.8-135	0.497	17.9	
Total TPH C6-C28	347	10.0	mg/kg	400		86.6	81.5-127	1.13	17.6	
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	66.9-136			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	59.5-142			

**Batch 2062020 - General Prep - Organics**

<b>Blank (2062020-BLK1)</b>		Prepared: 20-Jun-22 Analyzed: 21-Jun-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	56.3		mg/kg	50.0		113	66.9-136			
Surrogate: 1-Chlorooctadecane	66.1		mg/kg	50.0		132	59.5-142			

<b>LCS (2062020-BS1)</b>		Prepared: 20-Jun-22 Analyzed: 21-Jun-22								
GRO C6-C10	202	10.0	mg/kg	200		101	78.5-128			
DRO >C10-C28	200	10.0	mg/kg	200		100	75.8-135			
Total TPH C6-C28	403	10.0	mg/kg	400		101	81.5-127			
Surrogate: 1-Chlorooctane	59.5		mg/kg	50.0		119	66.9-136			
Surrogate: 1-Chlorooctadecane	71.4		mg/kg	50.0		143	59.5-142			S-04

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 23-Jun-22 16:36
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**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
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**Batch 2062020 - General Prep - Organics**

**LCS Dup (2062020-BSD1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

GRO C6-C10	210	10.0	mg/kg	200	105	78.5-128	3.71	21.4		
DRO >C10-C28	215	10.0	mg/kg	200	107	75.8-135	6.94	17.9		
Total TPH C6-C28	425	10.0	mg/kg	400	106	81.5-127	5.33	17.6		
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0	118	66.9-136				
Surrogate: 1-Chlorooctadecane	70.8		mg/kg	50.0	142	59.5-142				

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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.
- 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

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*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>Ameeder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 0216-2020-water</u> Project Location: <u>Sunaco Pool</u> Sampler Name: <u>Jesus Palomares</u>		<b>BILL TO</b> P.O. #: <u>2022 0216-2020-water</u> Company: <u>Ameeder</u> Attn: <u>Aparker@</u> Address: <u>Ameeder.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. <u>H222615</u> Sample I.D. _____		MATRIX (G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER : _____ PRESERV. ACID/BASE: _____ ICE / COOL _____ OTHER : _____ DATE _____ TIME _____ SAMPLING _____	
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.		ANALYSIS REQUEST Chloride ✓ TPH (Gro+Dro+Mro) ✓ BTEX (Benzene) ✓	
Relinquished By: <u>Jim Palmer</u> Date: <u>10-17-22</u> Time: <u>10:20</u>		Received By: <u>Jesus Palomares</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>4.1</u> Corrected Temp. °C <u>3.6</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes Intact <input checked="" type="checkbox"/> No Intact <input type="checkbox"/> No Intact <input type="checkbox"/> CHECKED BY: (Initials) <u>JP</u>	
Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.5°C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes Intact <input type="checkbox"/> No Intact <input type="checkbox"/> No Intact <input type="checkbox"/> Sample Condition Observed Temp. °C _____ Corrected Temp. °C _____	
REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> 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



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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Amerexler</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 0216-2020-water</u> Project Location: <u>Sunaco Pad</u> Sampler Name: <u>Jesus Palomares</u>		P.O. #: <u>20220216-2020-water</u> Company: <u>Amerexler</u> Attn: <u>Aparker@</u> Address: <u>Amerexler.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. _____ Sample I.D. _____ <u>Hbaak15</u>		(G)RAB OR (C)OMP. <u>91</u> # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER : _____ ACID/BASE: _____ ICE / COOL _____ OTHER : _____	MATRIX _____ PRESERV _____ SAMPLING _____ DATE <u>06-17</u> TIME _____ <u>Chloride</u> <u>TPH (Gro + Dro + Mro)</u> <u>BTX (Benzene)</u>
PLEASE NOTE: Latency 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: <u>[Signature]</u> Date: <u>6-17-22</u> Time: <u>10:20</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Delivered By: (Circle One) _____ Observed Temp. °C <u>4.1</u> Corrected Temp. °C <u>3.6</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: <u>[Signature]</u> Turnaround Time: _____ Standard <input checked="" type="checkbox"/> <u>KUSH</u> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C _____	
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: _____			

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

Company Name: <u>Amerdel</u>		P.O. #: <u>20220216-2020-2426</u>	
Project Manager: <u>Andrew Parker</u>		Company: <u>Amerdel</u>	
Address: <u>On File</u>		Attn: <u>A Parker @</u>	
City: _____		Address: <u>Amerdel.com</u>	
State: _____		City: _____	
Zip: _____		State: _____	
Project #: _____		Zip: _____	
Project Name: <u>20220216-2020-water</u>		Phone #: _____	
Project Location: <u>Sunoco Pad</u>		Fax #: _____	
Sampler Name: <u>Jesus Palomares</u>		FOR LAB USE ONLY	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H222615	SP 06220216-2020-2426 45ft		9								06-17	11:00	Chloride
*	21 GS-1642 Sunoco		1									11:10	TPH (Gro + Dro + Mro)
*	22 GS-1671U 0-2ft Sunoco		1									11:19	BTX (Benzene)
*	23 GS-1671W 2-4ft Sunoco		1									11:24	
*	24 GS-1671W 4-6ft Sunoco		1									11:30	
	25 GS-169 2ft Sunoco		1									11:35	
	26 GS-170 2ft Sunoco		1									11:40	
	27 GS-170S 0-2ft Sunoco		1									11:50	
	28 GS-171 2ft Sunoco		1										

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Relinquished By: <u>Jesus Palomares</u>	Date: <u>10-17-22</u>	Received By: <u>Jesus Palomares</u>	Date: <u>10-17-22</u>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: <u>4.1</u>	Corrected Temp. °C: <u>3.6</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS: <u>* Sample Id changes to 1623/22</u>	Thermometer ID #113	Correction Factor -0.5°C	Checked By: (Initials) <u>JP</u>
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____	
All Results are emailed. Please provide Email address: _____			
Turnaround Time: <u>Standard</u>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
Rush <input type="checkbox"/>		Observed Temp. °C: _____	
Corrected Temp. °C: _____		Corrected Temp. °C: _____	



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June 23, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/20/22 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 135 4.5' SUNOCO (H222630-01)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.8 % 59.5-142

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\* = Accredited Analyte

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 134 NE 0-2' SUNOCO (H222630-02)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 134 NE 2-4' SUNOCO (H222630-03)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 134 NE 4.5' SUNOCO (H222630-04)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/21/2022	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	06/21/2022	ND	201	101	200	4.55		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 86.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 134 4.5' SUNOCO (H222630-05)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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
<b>Chloride</b>	<b>48.0</b>	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 130 5' SUNOCO (H222630-06)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.2 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 133 4.5' SUNOCO (H222630-07)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	
<b>Chloride</b>	<b>48.0</b>	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 131 2' SUNOCO (H222630-08)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 132 2' SUNOCO (H222630-09)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 132 NE 0-2' SUNOCO (H222630-10)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	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	06/21/2022	ND	201	101	200	4.55		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 83.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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\*=Accredited Analyte

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 125 5' SUNOCO (H222630-11)**

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	06/21/2022	ND	1.97	98.6	2.00	3.10	
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 126 5' SUNOCO (H222630-12)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	QR-03	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 67.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 129 5' SUNOCO (H222630-13)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 128 5' SUNOCO (H222630-14)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	ND	432	108	400	7.69	

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	06/22/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 127 5' SUNOCO (H222630-15)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 124 5' SUNOCO (H222630-16)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 122 5' SUNOCO (H222630-17)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 76.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.9 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 122 0-2' SUNOCO (H222630-18)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/22/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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\*=Accredited Analyte

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 122 2-4' SUNOCO (H222630-19)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.6 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 122 4.5' SUNOCO (H222630-20)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16.0	16.0	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 123 5' SUNOCO (H222630-21)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 169 E 0-2' SUNOCO (H222630-22)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 67.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 171 SW 0-2' SUNOCO (H222630-23)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	112	16.0	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 168 7' SUNOCO (H222630-24)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	06/21/2022	ND	432	108	400	7.69	

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	06/22/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 167 7' SUNOCO (H222630-25)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.1 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 166 7' SUNOCO (H222630-26)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	432	16.0	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 87.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 165 7' SUNOCO (H222630-27)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	368	16.0	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 71.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 160 2' SUNOCO (H222630-28)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 160 N 0-2' SUNOCO (H222630-29)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	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	32.0	16.0	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 159 2' SUNOCO (H222630-30)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/21/2022	ND	432	108	400	7.69	

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	06/21/2022	ND	179	89.5	200	3.77	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 158 2' SUNOCO (H222630-31)**

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	06/22/2022	ND	1.92	95.9	2.00	3.15		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.279		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.99	99.3	2.00	1.23		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.86	97.7	6.00	2.05		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	179	89.5	200	3.77		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	180	89.9	200	4.23		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 86.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 157 2' SUNOCO (H222630-32)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750		
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/21/2022	ND	432	108	400	7.69		

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	06/21/2022	ND	200	100	200	18.6		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 75.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.4 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 156 2' SUNOCO (H222630-33)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750		
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	06/21/2022	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	06/21/2022	ND	200	100	200	18.6		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.7 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 155.1 2' SUNOCO (H222630-34)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.0 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 155.2 2' SUNOCO (H222630-35)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750		
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/21/2022	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	06/22/2022	ND	200	100	200	18.6		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	197	98.6	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 83.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 142 2' SUNOCO (H222630-36)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	96.0	16.0	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 141 2' SUNOCO (H222630-37)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 141 E 0-2' SUNOCO (H222630-38)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 140 2' SUNOCO (H222630-39)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.8 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 136 2' SUNOCO (H222630-40)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/21/2022	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	06/21/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 67.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 139 2' SUNOCO (H222630-41)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
<b>Chloride</b>	<b>144</b>	16.0	06/21/2022	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	06/22/2022	ND	200	100	200	18.6	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	197	98.6	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 138 3.5' SUNOCO (H222630-42)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750		
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/21/2022	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	06/22/2022	ND	200	100	200	18.6		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	197	98.6	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 75.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 137 3.5' SUNOCO (H222630-43)**

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	06/22/2022	ND	1.92	95.8	2.00	0.750	
Toluene*	<0.050	0.050	06/22/2022	ND	1.99	99.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.94	96.8	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.72	95.3	6.00	2.10	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	112	16.0	06/21/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	200	100	200	18.6		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	197	98.6	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 66.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.3 % 59.5-142

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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.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits.
A-01 CCV biased high. All associated samples ND.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <b>Amerder</b>	P.O. #: <b>20220216-2020-water</b>
Project Manager: <b>Andrew Parker</b>	Company: <b>Amerder</b>
Address: <b>On File</b>	Attn: <b>aparker@Amerder.com</b>
City: _____ State: _____ Zip: _____	Address: _____
Phone #: _____ Fax #: _____	City: _____
Project #: _____ Project Owner: _____	State: _____ Zip: _____
Project Name: <b>20220216-2020-water</b>	Phone #: _____
Project Location: <b>Sumco Pad</b>	Fax #: _____
Sampler Name: <b>Jesus Palomares</b>	

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		DATE	TIME	ANALYSIS REQUEST
		(G)RAB OR (C)OMP.	# CONTAINERS			
<b>H2022630</b>	<b>GS-135 4.5ft sunoco</b>	<input checked="" type="checkbox"/>	<b>9</b>	<b>06-20</b>	<b>8:06</b>	<b>Chloride</b>
	<b>GS-134WE 0-2ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:12</b>	<b>TPH (Grot + Drot Mro)</b>
	<b>GS-134WE 2-4ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:17</b>	<b>BTEX (Benzene)</b>
	<b>GS-134WE 4.5ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:22</b>	
	<b>GS-134 4.5ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:30</b>	
	<b>GS-130 5ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:35</b>	
	<b>GS-133 4.5ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:41</b>	
	<b>GS-131 2ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:48</b>	
	<b>GS-132 2ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:54</b>	
	<b>GS-132ME 0-2ft sunoco</b>	<input checked="" type="checkbox"/>	<b>11</b>		<b>8:57</b>	

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Relinquished By: **Amr Palm** Date: **6-20-22** Received By: **Jesus Palomares** Date: **10-20-22**

Time: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One)  Observed Temp. °C **4.3** Sample Condition  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other:  Corrected Temp. °C **3.8**  Yes  No

TURNAROUND TIME: \_\_\_\_\_ Standard  Rush  Bacteria (only)  Sample Condition  Cool  Intact  Yes  No

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_

All Results are emailed. Please provide Email address: \_\_\_\_\_

REMARKS: \_\_\_\_\_

FOR INFORMATION: 732-7007721

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



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**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> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> 20220216-2020-water <b>Project Location:</b> Sunoco Pad <b>Sampler Name:</b> Jesus Palomares		<b>BILL TO</b> <b>P.O. #:</b> 20220216-2020-water <b>Company:</b> Amerceder <b>Attn:</b> aparker@amerceder.com <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #:	
<b>Lab I.D.</b> 4222630 <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
11 GS-125 54 Sunoco 12 GS-126 54 Sunoco 13 GS-129 54 Sunoco 14 GS-128 54 Sunoco 15 GS-127 54 Sunoco 16 GS-124 54 Sunoco 17 GS-122 54 Sunoco 18 GS-122 0-24 Sunoco 19 GS-122 2-44 Sunoco 20 GS-122 454 Sunoco		9 1 1 1 1 1 1 1 1 1 1	06-20 9:08 9:15 9:23 9:28 9:34 9:41 9:53 9:59 10:03
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 43 Corrected Temp. °C 3.8	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
Relinquished By: <i>Am Parker</i> Date: 6-20-22 Time: 10:20		Received By: <i>Jesus Palomares</i> Date: 6-20-22 Time: 10:03	CHECKED BY: (Initials) 40-
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:		Turnaround Time: Standard <input checked="" type="checkbox"/> Add'l <input type="checkbox"/> Thermometer ID #113 Correction Factor -0.5°C	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
REMARKS:			

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

Company Name: <b>Amereller</b>		<b>BILL TO</b>	
Project Manager: <b>Andrew Parker</b>		P.O. #: <b>20220216-2020-water</b>	
Address: <b>On File</b>		Company: <b>Amereller</b>	
City:	State:	Zip:	Attn: <b>sparkend</b>
Phone #:	Fax #:	Project Owner:	Address: <b>Amereller.com</b>
Project #:	Project Name: <b>20220216-2020-water</b>	City:	State:
Project Location: <b>Sunoco Rd</b>	Project Name: <b>Jesus Palomares</b>	Phone #:	Zip:
Sample Name:	FOR LAB USE ONLY	Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<b>H332630</b>	<b>G5-183 5FT Sunoco</b>	<b>G</b>	<b>4</b>			<b>✓</b>				<b>06-20</b>	<b>10:11</b>	<b>Chloride</b>
	<b>G5-169E 0-2FT Sunoco</b>										<b>10:17</b>	<b>TPH (Gro + Dro + Mro)</b>
	<b>G5-171SW 0-2FT Sunoco</b>										<b>10:25</b>	<b>BTEX (Benzene)</b>
	<b>G5-168 74 Sunoco</b>										<b>10:33</b>	
	<b>G5-167 74 Sunoco</b>										<b>10:40</b>	
	<b>G5-166 74 Sunoco</b>										<b>10:45</b>	
	<b>G5-165 74 Sunoco</b>										<b>10:49</b>	
	<b>G5-160 2FT Sunoco</b>										<b>10:57</b>	
	<b>G5-160W 0-2FT Sunoco</b>										<b>10:59</b>	
	<b>G5-159 2FT Sunoco</b>										<b>11:07</b>	

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Relinquished By: **Jim Palm** Date: **06-20-22** Received By: **Sumana Chetty**

Time: **10:20** Date: **06-20-22** Received By: **Sumana Chetty**

Time: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_

Observed Temp. °C: **43** Sample Condition:  Cool  Intact  Yes  No

Corrected Temp. °C: **38** CHECKED BY: **AD** (Initials)

Turnaround Time: **Standard**  **Rush**

Thermometer ID #113  Bacteria (only)  Sample Condition  Cool  Intact  Yes  No

Correction Factor -0.5°C  Observed Temp. °C  Corrected Temp. °C

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_

All Results are emailed. Please provide Email address: \_\_\_\_\_

REMARKS: \_\_\_\_\_







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June 24, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 110 4.5' SUNOCO (H222652-01)**

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	06/23/2022	ND	2.20	110	2.00	11.2	
Toluene*	<0.050	0.050	06/23/2022	ND	2.16	108	2.00	11.5	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.12	106	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.56	109	6.00	10.4	
Total BTEX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	176	16.0	06/23/2022	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	06/23/2022	ND	199	99.5	200	2.87	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	194	97.0	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 110 5.5' SUNOCO (H222652-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	06/23/2022	ND	416	104	400	0.00	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 111 4.5' SUNOCO (H222652-03)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	6560	16.0	06/23/2022	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	06/22/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 112 4.5' SUNOCO (H222652-04)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	06/23/2022	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	06/22/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 81.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 112 5.5' SUNOCO (H222652-05)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	06/23/2022	ND	416	104	400	0.00	

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 113 4.5' SUNOCO (H222652-06)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	5920	16.0	06/23/2022	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	06/22/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 114 4.5' SUNOCO (H222652-07)**

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	06/22/2022	ND	2.20	110	2.00	2.03	
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	3760	16.0	06/23/2022	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	06/22/2022	ND	185	92.7	200	4.27	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	157	78.7	200	25.0	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 114 5.5' SUNOCO (H222652-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1550</b>	16.0	06/23/2022	ND	416	104	400	0.00	

**Sample ID: GS - 114 6.5' SUNOCO (H222652-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2370</b>	16.0	06/23/2022	ND	416	104	400	0.00	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 115 4.5' SUNOCO (H222652-10)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	80.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 117 5' SUNOCO (H222652-11)**

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	06/22/2022	ND	2.20	110	2.00	2.03	
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 117NW 0-2' SUNOCO (H222652-12)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 117NW 2-4' SUNOCO (H222652-13)**

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	06/22/2022	ND	2.20	110	2.00	2.03	
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	32.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 117NW 4.5' SUNOCO (H222652-14)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	48.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 77.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.3 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 118 5' SUNOCO (H222652-15)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	32.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.5 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 119 5' SUNOCO (H222652-16)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	32.0	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 119E 0-2' SUNOCO (H222652-17)**

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	06/22/2022	ND	2.20	110	2.00	2.03	
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	112	16.0	06/23/2022	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	06/23/2022	ND	185	92.7	200	4.27	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 119E 2-4' SUNOCO (H222652-18)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	32.0	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 119E 4.5' SUNOCO (H222652-19)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	32.0	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 79.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 120 5' SUNOCO (H222652-20)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	16.0	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 72.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 121 5' SUNOCO (H222652-21)**

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	06/22/2022	ND	2.20	110	2.00	2.03		
Toluene*	<0.050	0.050	06/22/2022	ND	2.19	109	2.00	1.63		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.07	104	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.40	107	6.00	0.782		
Total BTEX	<0.300	0.300	06/22/2022	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	624	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	185	92.7	200	4.27		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	157	78.7	200	25.0		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 79.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 143 4.5' SUNOCO (H222652-22)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	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	06/24/2022	ND	400	100	400	3.92		

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	06/22/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 144 4.5' SUNOCO (H222652-23)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	6240	16.0	06/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.4	200	1.76			
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	198	99.2	200	2.23			
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND							

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 144 5.5' SUNOCO (H222652-24)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6400</b>	16.0	06/24/2022	ND	400	100	400	3.92	

**Sample ID: GS - 144 6.5' SUNOCO (H222652-25)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6720</b>	16.0	06/24/2022	ND	400	100	400	3.92	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 145 4.5' SUNOCO (H222652-26)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	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	80.0	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/22/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 146 4.5' SUNOCO (H222652-27)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/24/2022	ND	400	100	400	3.92		

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	06/22/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 147 4.5' SUNOCO (H222652-28)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	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	5840	16.0	06/24/2022	ND	400	100	400	3.92	

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	06/22/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 138 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 148 4.5' SUNOCO (H222652-29)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	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	8400	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 148 5.5' SUNOCO (H222652-30)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6880</b>	16.0	06/24/2022	ND	400	100	400	3.92	

**Sample ID: GS - 148 6.5' SUNOCO (H222652-31)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6320</b>	16.0	06/24/2022	ND	400	100	400	3.92	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 149 2' SUNOCO (H222652-32)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	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	32.0	16.0	06/24/2022	ND	400	100	400	3.92		

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	06/23/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 149SW 0-2' SUNOCO (H222652-33)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/24/2022	ND	400	100	400	3.92	

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	06/23/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 150 2' SUNOCO (H222652-34)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	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	32.0	16.0	06/24/2022	ND	400	100	400	3.92	

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	06/23/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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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:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 151 2' SUNOCO (H222652-35)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	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	64.0	16.0	06/24/2022	ND	400	100	400	3.92	

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	06/23/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 152 5' SUNOCO (H222652-36)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	7760	16.0	06/24/2022	ND	400	100	400	3.92	

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	06/23/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 152 6' SUNOCO (H222652-37)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4280</b>	16.0	06/24/2022	ND	400	100	400	3.92	

**Sample ID: GS - 152 7' SUNOCO (H222652-38)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1760</b>	16.0	06/24/2022	ND	432	108	400	3.77	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 153 5' SUNOCO (H222652-39)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	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	16.0	16.0	06/24/2022	ND	432	108	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	06/23/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 153SE 0-2' SUNOCO (H222652-40)**

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	06/24/2022	ND	2.21	111	2.00	12.8		
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7		
Total BTEX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	06/24/2022	ND	432	108	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	06/23/2022	ND	191	95.4	200	1.76		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 153SE 2-4' SUNOCO (H222652-41)**

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	06/24/2022	ND	2.21	111	2.00	12.8	
Toluene*	<0.050	0.050	06/24/2022	ND	2.16	108	2.00	13.4	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.12	106	2.00	13.3	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.59	110	6.00	12.7	
Total BTEX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	<b>48.0</b>	16.0	06/24/2022	ND	432	108	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	06/23/2022	ND	191	95.4	200	1.76	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	198	99.2	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 153SE 4.5' SUNOCO (H222652-42)**

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	06/23/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33	
Total BTEX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	16.0	16.0	06/24/2022	ND	432	108	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	06/23/2022	ND	172	86.1	200	7.41	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	190	95.1	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.1 % 59.5-142

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 154 4.5' SUNOCO (H222652-43)**

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	06/23/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33	
Total BTEX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	06/24/2022	ND	432	108	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	06/22/2022	ND	172	86.1	200	7.41	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	190	95.1	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.6 % 59.5-142

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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.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
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

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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: <b>Amerder</b>		<b>BILL TO</b>	
Project Manager: <b>Andrew Parker</b>		P.O. #: <b>20220216-2020-water</b>	
Address: <b>On File</b>		Company: <b>Amerder</b>	
City:	State:	Zip:	Attn: <b>aparker@amerder.com</b>
Phone #:	Fax #:	Project Owner:	Address: <b>Amerder.com</b>
Project #:	Project Name: <b>20220216-2020-water</b>	City:	State:
Project Location: <b>Sunoco Pad</b>	Project Name: <b>Jesus Padomas</b>	Phone #:	Zip:
Sampler Name:	FOR LAB USE ONLY	Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
10220216-2020-water	GS-110	4.5ft	Sunoco							06-21	8:30	Chloride
	GS-110	5.5ft	Sunoco								8:35	TPH (Grat Dro + Mro)
	GS-111	4.5ft	Sunoco								8:40	BTEX (Benzene)
	GS-112	4.5ft	Sunoco								8:43	
	GS-112	5.5ft	Sunoco								8:50	
	GS-113	4.5ft	Sunoco								8:55	
	GS-114	4.5ft	Sunoco								8:59	
	GS-114	5.5ft	Sunoco								9:04	
	GS-114	6.5ft	Sunoco								9:09	
	GS-115	4.5ft	Sunoco								9:17	

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Relinquished By: *[Signature]* Date: **6-21-22** Received By: *[Signature]* Date: **6-21-22**

Relinquished By: *[Signature]* Date: **6-21-22** Received By: *[Signature]* Date: **6-21-22**

Delivered By: (Circle One) Observed Temp. °C **4.4** Sample Condition:  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: Corrected Temp. °C **3.9** CHECKED BY: (Initials) **YQ**

Turnaround Time: **Standard** Bacteria (only)  Sample Condition:  Intact  Cool  Yes  No

Thermometer ID #113 Correction Factor -0.5°C Corrected Temp. °C

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

Company Name: <b>Amerexer</b>		P.O. #: <b>2022 0216-2020-water</b>	
Project Manager: <b>Andrew Parker</b>		Company: <b>Amerexer</b>	
Address: <b>On Site</b>		Attn: <b>a.parker@amerexer.com</b>	
City:	State:	Zip:	Address: <b>Amerexer.com</b>
Phone #:	Fax #:	Project Owner:	City:
Project #:	Project Name: <b>2022 0216-2020-water</b>	State:	Zip:
Project Location: <b>Sunoco Pad</b>	Sample Name: <b>Jesus Palomares</b>	Phone #:	Fax #:
FOR LAB USE ONLY			
Lab I.D.:	Sample I.D.:	(G)RAB OR (C)OMP.	# CONTAINERS
<b>1222162</b>			
21	GS-121 5ft Sunoco	G1	1
22	GS-143 4.5ft Sunoco		
23	GS-144 4.5ft Sunoco		
24	GS-144 5.5ft Sunoco		
25	GS-144 6.5ft Sunoco		
216	GS-145 4.5ft Sunoco		
27	GS-146 4.5ft Sunoco		
28	GS-147 4.5ft Sunoco		
29	GS-148 4.5ft Sunoco		
30	GS-148 5.5ft Sunoco		
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:			
PRESERV: ACID/BASE, ICE / COOL, OTHER:			
DATE		SAMPLING	
6-21	10:20	Chloride	
	10:25	TPH (Gro+Dro+Mro)	
	10:32	BTEX (Benzene)	
	10:40		
	10:47		
	10:51		
	10:56		
	11:01		
	11:16		
	11:17		

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Delivered By: (Circle One)  UPS  Bus  Other

Observed Temp. °C: **4.4** Corrected Temp. °C: **3.9**

Sample Condition:  Cool  Intact  Yes  No

Checked By: (Initials) **AP**

Turnaround Time:  Standard  Rush

Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only)  Sample Condition  Cool  Intact  Yes  No

Corrected Temp. °C

Relinquished By: **Jesus Palomares** Date: **10-15-22** Received By: **Jesus Palomares** Date: **10-15-22**

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



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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: 20220216-2020-water  
 Project Location: Sumaco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 2022 0216-2020-water  
 Company: Amerder  
 Attn: aparker@amerder.com  
 Address: Amerder.com  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<u>49220216</u>													
<u>31</u>	<u>G5-148 6.5ft Sumaco</u>	<u>G I</u>	<u>1</u>	<u>✓</u>					<u>✓</u>	<u>06-21</u>	<u>11:26</u>	<u>Chloride</u>	
<u>32</u>	<u>G5-149 2ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:30</u>	<u>11:30</u>	<u>TPH (Gro + Pro + Mro)</u>	
<u>33</u>	<u>G5-149 SW 0-2ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:35</u>	<u>11:35</u>	<u>BTEX (Benzene)</u>	
<u>34</u>	<u>G5-150 2ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:41</u>	<u>11:41</u>		
<u>35</u>	<u>G5-151 2ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:46</u>	<u>11:46</u>		
<u>36</u>	<u>G5-152 5ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:52</u>	<u>11:52</u>		
<u>37</u>	<u>G5-152 6ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>11:58</u>	<u>11:58</u>		
<u>38</u>	<u>G5-152 7ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>12:05</u>	<u>12:05</u>		
<u>39</u>	<u>G5-153 5ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>12:11</u>	<u>12:11</u>		
<u>40</u>	<u>G5-153 SE 0-2ft Sumaco</u>	<u>I</u>	<u>1</u>							<u>12:19</u>	<u>12:19</u>		

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Relinquished By: Jim Palmer Date: 6-21-22  
 Received By: Jesus Palomares Date: 6-21-22  
 Time: 1615  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One) Observed Temp. °C 44 Sample Condition  Cool  Intact  Yes  No  
 Corrected Temp. °C 3.9 Checked By: (Initials) JP  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only)  Yes  No  Sample Condition  Observed Temp. °C  
 Correction Factor -0.5°C Corrected Temp. °C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerder</u> Project Manager: <u>Andrew Porter</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 0216-2020-water</u> Project Location: <u>Sanaco Pad</u> Sampler Name: <u>Jesus Palomares</u> FOR LAB USE ONLY		<b>BILL TO</b> P.O. #: <u>20220216-2020-water</u> Company: <u>Amerder</u> Attn: <u>aparker@amerder.com</u> Address: <u>Amerder.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>ANALYSIS REQUEST</b>	
Lab I.D. <u>122045B</u> Sample I.D. _____	Date: <u>10-21-22</u> Time: <u>16:15</u> Date: _____ Time: _____ Relinquished By: <u>[Signature]</u> Received By: <u>[Signature]</u>	(G)RAB OR (C)OMP. <u>9</u> # CONTAINERS <u>4</u> MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL <u>✓</u> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____ DATE <u>06-21</u> TIME _____	Chloride TPH (Gro+Dro+Mro) BTEX (Benzene)	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: _____	Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.5°C Standard <input checked="" type="checkbox"/> <b>Rush</b> Bacteria (only) <input checked="" type="checkbox"/> <b>Standard</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input checked="" type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____



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July 05, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 06/30/22 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 080 4.5' SUNOCO (H222816-01)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	07/01/2022	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	07/01/2022	ND	181	90.4	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	178	88.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 43-149

Surrogate: 1-Chlorooctadecane 77.8 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 019 4.5' SUNOCO (H222816-02)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19		
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11		
Total BTEX	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	07/01/2022	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	07/01/2022	ND	181	90.4	200	1.44		
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	178	88.9	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND						

Surrogate: 1-Chlorooctane 78.7 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 020.1 3' SUNOCO (H222816-03)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19		
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11		
Total BTEX	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	07/01/2022	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	07/01/2022	ND	181	90.4	200	1.44		
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	178	88.9	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND						

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 020.2 3' SUNOCO (H222816-04)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	07/01/2022	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	07/01/2022	ND	181	90.4	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	178	88.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 021 4.5' SUNOCO (H222816-05)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	07/01/2022	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	07/01/2022	ND	210	105	200	2.17	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	200	100	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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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:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 020 SE 0-2' SUNOCO (H222816-06)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	07/01/2022	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	07/01/2022	ND	210	105	200	2.17	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	200	100	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 020 SE 2-4' SUNOCO (H222816-07)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/01/2022	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	07/01/2022	ND	210	105	200	2.17	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	200	100	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.2 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 020 SE 4.5' SUNOCO (H222816-08)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	07/01/2022	ND	400	100	400	3.92	

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	07/01/2022	ND	210	105	200	2.17	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	200	100	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	06/30/2022	Sampling Date:	06/30/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER ( PAD )	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 029 4.2' SUNOCO (H222816-09)**

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	07/01/2022	ND	1.96	97.8	2.00	9.19	
Toluene*	<0.050	0.050	07/01/2022	ND	1.93	96.7	2.00	9.55	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.95	97.7	2.00	8.84	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.93	98.8	6.00	9.11	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	9800	16.0	07/01/2022	ND	400	100	400	3.92	

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	07/01/2022	ND	210	105	200	2.17	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	200	100	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**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

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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  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 2022-0216-2020-Water  
 Project Location: Sumaco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 2022-0216-2020-Water  
 Company: Amerceder  
 Attn: a.parker@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 :			
<u>H222816</u>	<u>GS-086</u>		<u>1</u>						<u>06-30</u>	<u>12:59</u>	<u>Chloride</u>	
	<u>GS-019</u>		<u>1</u>							<u>13:09</u>	<u>TPH (Gro + Dro + Mro)</u>	
	<u>GS-020.1</u>		<u>1</u>							<u>13:17</u>	<u>BTEX (Benzene)</u>	
	<u>GS-020.2</u>		<u>1</u>							<u>13:20</u>		
	<u>GS-021</u>		<u>1</u>							<u>13:35</u>		
	<u>GS-020SE</u>		<u>1</u>							<u>13:40</u>		
	<u>GS-020SE</u>		<u>1</u>							<u>13:51</u>		
	<u>GS-029</u>		<u>1</u>							<u>13:59</u>		

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Relinquished By: \_\_\_\_\_ Date: 6-30-22  
 Time: 15:45  
 Received By: Jesus Palomares  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Turnaround Time:  Standard  Rush  
 Bacteria (only)  Sample Condition  
 Cool Intact  Observed Temp. °C  
 Yes  No  Yes  No  No  No  No

Delivered By: (Circle One) Observed Temp. °C 4.5  
 Corrected Temp. °C 4.0  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Sample Condition:  Intact  Cool  Yes  No  No  No  
 CHECKED BY: (Initials) JP  
 Thermometer ID #113  
 Correction Factor -0.5°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)



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

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July 07, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/01/22 16:35.

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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 012 2' (H222853-01)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	07/06/2022	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	07/06/2022	ND	174	87.0	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	183	91.5	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 43-149

Surrogate: 1-Chlorooctadecane 78.7 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 018 4.5' (H222853-02)**

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	07/06/2022	ND	2.11	106	2.00	2.85		
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47		
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40		
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15		
Total BTEX	<0.300	0.300	07/06/2022	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	07/06/2022	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	07/06/2022	ND	174	87.0	200	4.82		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	183	91.5	200	1.78		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 61.6 % 43-149

Surrogate: 1-Chlorooctadecane 65.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 020.2 SW 0-2' (H222853-03)**

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	07/06/2022	ND	2.11	106	2.00	2.85		
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47		
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40		
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15		
Total BTEX	<0.300	0.300	07/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/06/2022	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	07/06/2022	ND	174	87.0	200	4.82		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	183	91.5	200	1.78		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 69.7 % 43-149

Surrogate: 1-Chlorooctadecane 75.5 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 020.2 SW 2-3' (H222853-04)**

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	07/06/2022	ND	2.11	106	2.00	2.85		
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47		
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40		
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15		
Total BTEX	<0.300	0.300	07/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/06/2022	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	07/06/2022	ND	174	87.0	200	4.82		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	183	91.5	200	1.78		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 77.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 022 4.5' (H222853-05)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	416	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 43-149

Surrogate: 1-Chlorooctadecane 89.9 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 022 5.5' (H222853-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	07/06/2022	ND	416	104	400	3.77	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 028 4.2' (H222853-07)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	3360	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 43-149

Surrogate: 1-Chlorooctadecane 87.7 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 028 5.2' (H222853-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2000</b>	16.0	07/06/2022	ND	416	104	400	3.77	

**Sample ID: GS - 028 6.2' (H222853-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	07/06/2022	ND	416	104	400	3.77	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 101 4.5' (H222853-10)**

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	07/06/2022	ND	2.11	106	2.00	2.85		
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47		
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40		
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15		
Total BTEX	<0.300	0.300	07/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	368	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 4.5' (H222853-11)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	2000	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 6.5' (H222853-12)**

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>4040</b>	16.0	07/06/2022	ND	416	104	400	3.77	

**Sample ID: GS - 102 8.5' (H222853-13)**

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>1040</b>	16.0	07/06/2022	ND	416	104	400	3.77	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 NE 0-2' (H222853-14)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	64.0	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 82.3 % 42.5-161

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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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 NE 2-4' (H222853-15)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	16.0	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 NE 4.5' (H222853-16)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 W 0-2' (H222853-17)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 W 2-4' (H222853-18)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 W 4.5' (H222853-19)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
<b>Toluene*</b>	<b>0.065</b>	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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
<b>Chloride</b>	<b>48.0</b>	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 103 4.5' (H222853-20)**

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	07/06/2022	ND	2.11	106	2.00	2.85		
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47		
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40		
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15		
Total BTEX	<0.300	0.300	07/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	16600	16.0	07/06/2022	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*	14.4	10.0	07/06/2022	ND	218	109	200	0.845		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 104 4.5' (H222853-21)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	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	2480	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 104 6.5' (H222853-22)**

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>2080</b>	16.0	07/06/2022	ND	416	104	400	0.00	

**Sample ID: GS - 104 7.5' (H222853-23)**

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>1300</b>	16.0	07/06/2022	ND	416	104	400	0.00	

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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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 105 4.5' (H222853-24)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	9040	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 43-149

Surrogate: 1-Chlorooctadecane 85.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 105 NE 0-2' (H222853-25)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 105 NE 2-4' (H222853-26)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 105 NE 4.5' (H222853-27)**

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	07/06/2022	ND	2.11	106	2.00	2.85	
Toluene*	<0.050	0.050	07/06/2022	ND	2.34	117	2.00	5.47	
Ethylbenzene*	<0.050	0.050	07/06/2022	ND	2.24	112	2.00	6.40	
Total Xylenes*	<0.150	0.150	07/06/2022	ND	7.64	127	6.00	7.15	
Total BTEX	<0.300	0.300	07/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 106 4.5' (H222853-28)**

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	07/07/2022	ND	2.11	106	2.00	6.87		
Toluene*	<0.050	0.050	07/07/2022	ND	2.21	110	2.00	6.95		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	48.0	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 107 4.5' (H222853-29)**

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	07/07/2022	ND	2.11	106	2.00	6.87		
Toluene*	<0.050	0.050	07/07/2022	ND	2.21	110	2.00	6.95		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54		
Total BTEX	<0.300	0.300	07/07/2022	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	128	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 90.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 108 4.5' (H222853-30)**

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	07/07/2022	ND	2.11	106	2.00	6.87		
Toluene*	<0.050	0.050	07/07/2022	ND	2.21	110	2.00	6.95		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3800	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 94.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 108 6.5' (H222853-31)**

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>4000</b>	16.0	07/06/2022	ND	416	104	400	0.00	

**Sample ID: GS - 108 7.5' (H222853-32)**

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>400</b>	16.0	07/06/2022	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 108 W 0-2' (H222853-33)**

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	07/07/2022	ND	2.11	106	2.00	6.87	
<b>Toluene*</b>	<b>0.052</b>	0.050	07/07/2022	ND	2.21	110	2.00	6.95	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54	
Total BTEX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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
<b>Chloride</b>	<b>80.0</b>	16.0	07/06/2022	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	07/06/2022	ND	218	109	200	0.845	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	215	107	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 84.1 % 42.5-161

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\*=Accredited Analyte

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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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 108 W 2-4' (H222853-34)**

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	07/07/2022	ND	2.11	106	2.00	6.87	
<b>Toluene*</b>	<b>0.107</b>	0.050	07/07/2022	ND	2.21	110	2.00	6.95	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54	
Total BTEX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>80.0</b>	16.0	07/06/2022	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	07/06/2022	ND	213	107	200	3.32	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	218	109	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 108 W 4.5' (H222853-35)**

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	07/07/2022	ND	2.11	106	2.00	6.87	
Toluene*	<0.050	0.050	07/07/2022	ND	2.21	110	2.00	6.95	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54	
Total BTEX	<0.300	0.300	07/07/2022	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
Chloride	16.0	16.0	07/06/2022	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	07/06/2022	ND	213	107	200	3.32	
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	218	109	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 43-149

Surrogate: 1-Chlorooctadecane 76.3 % 42.5-161

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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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 109 4.5' (H222853-36)**

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	07/07/2022	ND	2.11	106	2.00	6.87		
Toluene*	<0.050	0.050	07/07/2022	ND	2.21	110	2.00	6.95		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	7.19		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	7.22	120	6.00	7.54		
Total BTEX	<0.300	0.300	07/07/2022	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	
Chloride	8400	16.0	07/06/2022	ND	416	104	400	3.77	QM-07	

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	07/06/2022	ND	213	107	200	3.32		
DRO >C10-C28*	<10.0	10.0	07/06/2022	ND	218	109	200	3.50		
EXT DRO >C28-C36	<10.0	10.0	07/06/2022	ND						

Surrogate: 1-Chlorooctane 65.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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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:	07/01/2022	Sampling Date:	07/01/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 102 7.5' (H222853-37)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3240</b>	16.0	07/06/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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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.
- 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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Amerdev  
 Project Manager: Andrew Parker  
 Address: On-File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: SUNOCO  
 Sampler Name: Jacob Saenz  
 P.O. #: 20220216-2020-wat  
 Company: AEP  
 Attn: Send to  
 Address: aparker@amerdev.com  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV			DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
4922853	GS-012	2FT	1			X				X			7/1/22	8:00m	X	X	X
	GS-018	4.5FT	1											8:15m	X	X	X
	GS-020.2 SW	0.2FT	1											8:20m	X	X	X
	GS-020.2 SW	2.3FT	1											8:20m	X	X	X
	GS-022	4.5FT	1											8:35m	X	X	X
	GS-022	5.5FT	1											8:40m	X	X	X
	GS-028	4.9FT	1											8:50m	X	X	X
	GS-028	5.2FT	1											9:00m	X	X	X
	GS-028	6.2FT	1											9:15m	X	X	X
	GS-01	4.5FT	1											9:20m	X	X	X

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Relinquished By: SA COB SHENZ  
 Date: 7-1-22  
 Time: 10:35 AM  
 Received By: Meddick  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Delivered By: (Circle One) 2.5:10.0.5  
 Sampler - UPS - Bus - Other: 2.02 #113  
 Sample Condition: Intact  
 Checked By: [Signature]  
 Phone Result:  Yes  No  
 Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No  
 Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amerdev  
 Project Manager: Andrew Parker  
 Address: On-File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Swaco  
 Sampler Name: Jacob Saenz  
 P.O. #: 20220216-2020-water  
 Company: AEP  
 Attn: Send to  
 Address: aparker@  
 City: amerdev.com  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	G5-102		1			X				7/1/22	9:30am	X		
12	G5-102		1			X					9:35am	X		
13	G5-102		1			X					9:40am	X		
14	G5-102NE		1			X					9:50am	X		
15	G5-102NE		1			X					9:55am	X		
16	G5-102NE		1			X					10am	X		
17	G5-102W		1			X					10:10am	X		
18	G5-102W		1			X					10:15am	X		
19	G5-102W		1			X					10:20am	X		
20	G5-103		1			X					10:30am	X		

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Relinquished By: SPENZ Date: 7-1-22 Received By: Stodreigney  
 Relinquished By: SPENZ Time: 10:35  
 Delivered By: (Circle One) 2-52 (C.O.S.C.) Sample Condition: Cool Inlet: Yes Checked By: (Signature)  
 Sampler - UPS - Bus - Other: 2-02 #112 Yes  No  No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>Amerdev</b>	P.O. #: <b>8030916-2020-07</b>	<b>BILL TO</b>	<b>ANALYSIS REQUEST</b>
Project Manager: <b>Andrew Parker</b>	Company: <b>AEP</b>		
Address: <b>On-File</b>	Attn: <b>Send to</b>		
City: _____	Address: <b>aparker@</b>		
Phone #: _____	City: <b>amerdev.com</b>		
Project #: _____	State: _____		
Project Name: <b>202026-2020-work</b>	Zip: _____		
Project Location: <b>Senato</b>	Phone #: _____		
Sampler Name: <b>Jacob Sacuz</b>	Fax #: _____		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
40028553	GS-108	C	1			X				7/1/02	12:15pm	X		
39	GS-108										12:30pm	X		
39	GS-108W										12:40pm	X		
34	GS-108W										12:45pm	X		
35	GS-108W										1pm	X		
310	GS-109										1:05pm	X		
37	GS-102										7:55A	X		
	SR										7-1-02			

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Relinquished By: **SACUZ** Date: **7-1-02** Received By: **Sealiquenz**

Relinquished By: **SACUZ** Date: **7-1-02** Received By: **Sealiquenz**

Delivered By: (Circle One) **250** Sample Condition:  Cool  Intact

Sampler - UPS - Bus - Other: **250** #113  Yes  No

Checked By: **SR** (Initials)

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_

Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

REMARKS:

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

July 12, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/06/22 14:49.

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  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 001.1 4.5' SUNOCO	H222895-01	Soil	06-Jul-22 09:03	06-Jul-22 14:49
GS - 001.2 4.5' SUNOCO	H222895-02	Soil	06-Jul-22 09:11	06-Jul-22 14:49
GS - 001.3 4.5' SUNOCO	H222895-03	Soil	06-Jul-22 09:16	06-Jul-22 14:49
GS - 002.1 4.5' SUNOCO	H222895-04	Soil	06-Jul-22 09:20	06-Jul-22 14:49
GS - 002.2 4.5' SUNOCO	H222895-05	Soil	06-Jul-22 09:27	06-Jul-22 14:49
GS - 003 SW 0-2' SUNOCO	H222895-06	Soil	06-Jul-22 09:36	06-Jul-22 14:49
GS - 003 SW 2-4' SUNOCO	H222895-07	Soil	06-Jul-22 09:43	06-Jul-22 14:49
GS - 003 SW 4.5' SUNOCO	H222895-08	Soil	06-Jul-22 09:48	06-Jul-22 14:49
GS - 003 E 0-2' SUNOCO	H222895-09	Soil	06-Jul-22 09:57	06-Jul-22 14:49
GS - 003 E 2-4' SUNOCO	H222895-10	Soil	06-Jul-22 10:03	06-Jul-22 14:49
GS - 003 E 4.5' SUNOCO	H222895-11	Soil	06-Jul-22 10:09	06-Jul-22 14:49
GS - 003 4.5' SUNOCO	H222895-12	Soil	06-Jul-22 10:13	06-Jul-22 14:49
GS - 001.2 5.5' SUNOCO	H222895-13	Soil	06-Jul-22 09:13	06-Jul-22 14:49
GS - 001.2 6.5' SUNOCO	H222895-14	Soil	06-Jul-22 09:15	06-Jul-22 14:49
GS - 016 SW 0-2' SUNOCO	H222895-15	Soil	06-Jul-22 11:37	06-Jul-22 14:49
GS - 016 SW 2-3.5' SUNOCO	H222895-16	Soil	06-Jul-22 11:42	06-Jul-22 14:49

07/12/22 - Client added BTEX and TPH to samples -15 and -16 (see COC). This is the revised report and will replace the one sent on 07/08/22.

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 001.1 4.5' SUNOCO  
H222895-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

Surrogate: 1-Chlorooctane			74.4 %		43-149	2070713	MS	07-Jul-22	8015B	
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Surrogate: 1-Chlorooctadecane			80.2 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 001.2 4.5' SUNOCO  
H222895-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>3400</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.8 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.0 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 001.3 4.5' SUNOCO  
H222895-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.5 %	43-149		2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.1 %	42.5-161		2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 002.1 4.5' SUNOCO  
H222895-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

Surrogate: 1-Chlorooctane			74.6 %		43-149	2070713	MS	07-Jul-22	8015B	
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Surrogate: 1-Chlorooctadecane			83.3 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 002.2 4.5' SUNOCO  
H222895-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.3 %	43-149		2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.8 %	42.5-161		2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 SW 0-2' SUNOCO  
H222895-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>3440</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.1 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			65.7 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			70.5 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 SW 2-4' SUNOCO  
H222895-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1090</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			68.4 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.5 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 SW 4.5' SUNOCO  
H222895-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>8960</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.8 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.5 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 E 0-2' SUNOCO  
H222895-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2070730	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		69.9-140	2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			68.6 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.7 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 E 2-4' SUNOCO  
H222895-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070708	JH/	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070708	JH/	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2070708	JH/	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			67.0 %	43-149		2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.6 %	42.5-161		2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 E 4.5' SUNOCO  
H222895-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070709	JH	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			86.7 %		69.9-140	2070709	JH	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.5 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.3 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 003 4.5' SUNOCO  
H222895-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1180</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070709	JH	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			85.4 %		69.9-140	2070709	JH	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070713	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.4 %		43-149	2070713	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.9 %		42.5-161	2070713	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 001.2 5.5' SUNOCO  
H222895-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>2320</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070709	JH	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			85.4 %		69.9-140	2070709	JH	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.2 %		43-149	2070715	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.9 %		42.5-161	2070715	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 001.2 6.5' SUNOCO  
H222895-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>3160</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070709	JH	08-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070709	JH	08-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			84.8 %		69.9-140	2070709	JH	08-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070715	MS	07-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.7 %		43-149	2070715	MS	07-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.5 %		42.5-161	2070715	MS	07-Jul-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**GS - 016 SW 0-2' SUNOCO  
H222895-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070822	JH	11-Jul-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			82.5 %		69.9-140	2070822	JH	11-Jul-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			61.9 %		43-149	2071106	MS	11-Jul-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			63.1 %		42.5-161	2071106	MS	11-Jul-22	8015B	
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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  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

**GS - 016 SW 2-3.5' SUNOCO**  
**H222895-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	2070731	AC	07-Jul-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070822	JH	11-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070822	JH	11-Jul-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 81.9 % 69.9-140 2070822 JH 11-Jul-22 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2071106	MS	11-Jul-22	8015B	

Surrogate: 1-Chlorooctane 83.4 % 43-149 2071106 MS 11-Jul-22 8015B

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161 2071106 MS 11-Jul-22 8015B

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2070730 - 1:4 DI Water**

<b>Blank (2070730-BLK1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	ND	16.0	mg/kg							
<b>LCS (2070730-BS1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (2070730-BSD1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

**Batch 2070731 - 1:4 DI Water**

<b>Blank (2070731-BLK1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	ND	16.0	mg/kg							
<b>LCS (2070731-BS1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (2070731-BSD1)</b>		Prepared & Analyzed: 07-Jul-22								
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

**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
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**Batch 2070708 - Volatiles****Blank (2070708-BLK1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-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		99.7	69.9-140			

**LCS (2070708-BS1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-22

Benzene	2.11	0.050	mg/kg	2.00		106	83.4-122			
Toluene	2.13	0.050	mg/kg	2.00		106	84.2-126			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	84.2-121			
m,p-Xylene	4.48	0.100	mg/kg	4.00		112	89.9-126			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.3-123			
Total Xylenes	6.62	0.150	mg/kg	6.00		110	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.3	69.9-140			

**LCS Dup (2070708-BSD1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-22

Benzene	2.13	0.050	mg/kg	2.00		107	83.4-122	1.03	12.6	
Toluene	2.18	0.050	mg/kg	2.00		109	84.2-126	2.27	13.3	
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	84.2-121	1.33	13.9	
m,p-Xylene	4.52	0.100	mg/kg	4.00		113	89.9-126	0.848	13.6	
o-Xylene	2.15	0.050	mg/kg	2.00		108	84.3-123	0.547	14.1	
Total Xylenes	6.67	0.150	mg/kg	6.00		111	89.1-124	0.751	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	69.9-140			

**Batch 2070709 - Volatiles****Blank (2070709-BLK1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-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							

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

**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
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**Batch 2070709 - Volatiles****Blank (2070709-BLK1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		86.2	69.9-140			

**LCS (2070709-BS1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-22

Benzene	2.09	0.050	mg/kg	2.00		105	83.4-122			
Toluene	2.09	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	84.2-121			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89.9-126			
o-Xylene	1.99	0.050	mg/kg	2.00		99.4	84.3-123			
Total Xylenes	6.30	0.150	mg/kg	6.00		105	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0434		mg/kg	0.0500		86.7	69.9-140			

**LCS Dup (2070709-BSD1)**

Prepared: 07-Jul-22 Analyzed: 08-Jul-22

Benzene	2.09	0.050	mg/kg	2.00		105	83.4-122	0.107	12.6	
Toluene	2.10	0.050	mg/kg	2.00		105	84.2-126	0.335	13.3	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	84.2-121	0.229	13.9	
m,p-Xylene	4.35	0.100	mg/kg	4.00		109	89.9-126	0.940	13.6	
o-Xylene	2.03	0.050	mg/kg	2.00		101	84.3-123	1.95	14.1	
Total Xylenes	6.38	0.150	mg/kg	6.00		106	89.1-124	1.26	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0434		mg/kg	0.0500		86.8	69.9-140			

**Batch 2070822 - Volatiles****Blank (2070822-BLK1)**

Prepared: 08-Jul-22 Analyzed: 11-Jul-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		81.9	69.9-140			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**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
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**Batch 2070822 - Volatiles**

**LCS (2070822-BS1)**

Prepared: 08-Jul-22 Analyzed: 11-Jul-22

Benzene	2.08	0.050	mg/kg	2.00		104	83.4-122			
Toluene	2.12	0.050	mg/kg	2.00		106	84.2-126			
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	84.2-121			
m,p-Xylene	4.50	0.100	mg/kg	4.00		112	89.9-126			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.3-123			
Total Xylenes	6.54	0.150	mg/kg	6.00		109	89.1-124			

Surrogate: 4-Bromofluorobenzene (PID)

0.0432 mg/kg 0.0500 86.4 69.9-140

**LCS Dup (2070822-BS1)**

Prepared: 08-Jul-22 Analyzed: 11-Jul-22

Benzene	1.88	0.050	mg/kg	2.00		94.2	83.4-122	9.76	12.6	
Toluene	1.89	0.050	mg/kg	2.00		94.4	84.2-126	11.5	13.3	
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.1	84.2-121	14.6	13.9	QR-04
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.3	89.9-126	13.4	13.6	
o-Xylene	1.81	0.050	mg/kg	2.00		90.3	84.3-123	12.4	14.1	
Total Xylenes	5.74	0.150	mg/kg	6.00		95.6	89.1-124	13.1	13.4	

Surrogate: 4-Bromofluorobenzene (PID)

0.0396 mg/kg 0.0500 79.1 69.9-140

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

**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
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**Batch 2070713 - General Prep - Organics****Blank (2070713-BLK1)**

Prepared &amp; Analyzed: 07-Jul-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	38.7		mg/kg	50.0		77.4	43-149			
Surrogate: 1-Chlorooctadecane	42.2		mg/kg	50.0		84.4	42.5-161			

**LCS (2070713-BS1)**

Prepared &amp; Analyzed: 07-Jul-22

GRO C6-C10	175	10.0	mg/kg	200		87.7	78.5-128			
DRO >C10-C28	183	10.0	mg/kg	200		91.6	75.8-135			
Total TPH C6-C28	359	10.0	mg/kg	400		89.6	81.5-127			
Surrogate: 1-Chlorooctane	41.5		mg/kg	50.0		83.1	43-149			
Surrogate: 1-Chlorooctadecane	44.4		mg/kg	50.0		88.7	42.5-161			

**LCS Dup (2070713-BSD1)**

Prepared &amp; Analyzed: 07-Jul-22

GRO C6-C10	174	10.0	mg/kg	200		87.2	78.5-128	0.519	21.4	
DRO >C10-C28	179	10.0	mg/kg	200		89.7	75.8-135	2.17	17.9	
Total TPH C6-C28	354	10.0	mg/kg	400		88.4	81.5-127	1.36	17.6	
Surrogate: 1-Chlorooctane	43.5		mg/kg	50.0		87.0	43-149			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.7	42.5-161			

**Batch 2070715 - General Prep - Organics****Blank (2070715-BLK1)**

Prepared &amp; Analyzed: 07-Jul-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	48.1		mg/kg	50.0		96.1	43-149			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		96.1	42.5-161			

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**Analytical Results For:**

AMEREDEV  
2901 VIA FORTUNA , SUITE 600  
AUSTIN TX, 78746

Project: SUNOCO  
Project Number: 20220216 - 2020 - WATER ( PAD )  
Project Manager: ANDREW PARKER  
Fax To:

Reported:  
12-Jul-22 10:05

**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
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**Batch 2070715 - General Prep - Organics****LCS (2070715-BS1)**

Prepared &amp; Analyzed: 07-Jul-22

GRO C6-C10	210	10.0	mg/kg	200	105	78.5-128				
DRO >C10-C28	217	10.0	mg/kg	200	108	75.8-135				
Total TPH C6-C28	426	10.0	mg/kg	400	107	81.5-127				
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0	103	43-149				
Surrogate: 1-Chlorooctadecane	50.3		mg/kg	50.0	101	42.5-161				

**LCS Dup (2070715-BSD1)**

Prepared &amp; Analyzed: 07-Jul-22

GRO C6-C10	216	10.0	mg/kg	200	108	78.5-128	2.88	21.4		
DRO >C10-C28	224	10.0	mg/kg	200	112	75.8-135	3.41	17.9		
Total TPH C6-C28	440	10.0	mg/kg	400	110	81.5-127	3.15	17.6		
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0	101	43-149				
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0	107	42.5-161				

**Batch 2071106 - General Prep - Organics****Blank (2071106-BLK1)**

Prepared &amp; Analyzed: 11-Jul-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	95.3	43-149				
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0	102	42.5-161				

**LCS (2071106-BS1)**

Prepared &amp; Analyzed: 11-Jul-22

GRO C6-C10	213	10.0	mg/kg	200	107	78.5-128				
DRO >C10-C28	211	10.0	mg/kg	200	106	75.8-135				
Total TPH C6-C28	425	10.0	mg/kg	400	106	81.5-127				
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0	107	43-149				
Surrogate: 1-Chlorooctadecane	58.3		mg/kg	50.0	117	42.5-161				

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: SUNOCO Project Number: 20220216 - 2020 - WATER ( PAD ) Project Manager: ANDREW PARKER Fax To:	Reported: 12-Jul-22 10:05
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**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
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**Batch 2071106 - General Prep - Organics**

**LCS Dup (2071106-BSD1)**

Prepared & Analyzed: 11-Jul-22

GRO C6-C10	183	10.0	mg/kg	200		91.3	78.5-128	15.6	21.4	
DRO >C10-C28	165	10.0	mg/kg	200		82.4	75.8-135	24.8	17.9	QR-04
Total TPH C6-C28	347	10.0	mg/kg	400		86.8	81.5-127	20.1	17.6	QR-04
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.1	43-149			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.8	42.5-161			

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04            The RPD for the BS/BSD was outside of historical limits.
- 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

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*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>Amerelder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 0216-2020-water</u> Project Location: <u>Sunoco Pad</u> Sampler Name: <u>Jesus Palomares</u>		<b>BILL TO</b> P.O. #: <u>20220216-2020-water</u> Company: <u>Amerelder</u> Attn: <u>aparker @ amerelabs.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 _____		PRESERV _____ SAMPLING _____	
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.		ANALYSIS REQUEST Chloride ✓ TPH (Gro + Dro + Mro) ✓ Benzene (BTEX) ✓	
Relinquished By: <u>Jim Palmer</u> Date: <u>7-6-22</u> Time: <u>1449</u>		Received By: <u>Stoddard</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>54</u> Corrected Temp. °C <u>49</u>		CHECKED BY: _____ (Initials) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____	
REMARKS: <u>Tamp. Blank 2.9c</u> <u>Brought to Lab from Field.</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: _____	

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



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(575) 393-2326 FAX (575) 393-2476

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

<b>Company Name:</b> <i>Amerder</i> <b>Project Manager:</b> <i>Andrew Parker</i> <b>Address:</b> <i>On File</i> <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> <i>2022 0216-2020-water</i> <b>Project Location:</b> <i>Supoco Pad</i> <b>Sampler Name:</b> <i>Jesus Palomera</i>		<b>P.O. #:</b> <i>20220216-2020-water</i> <b>Company:</b> <i>Amerder</i> <b>Attn:</b> <i>a.parker@amerder.com</i> <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> _____		<b>BILL TO</b>																																																																														
<b>PLEASE NOTE: Liability and Damages.</b> 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>ANALYSIS REQUEST</b>																																																																														
<b>Relinquished By:</b> _____ <b>Date:</b> <i>10-22</i> <b>Received By:</b> <i>Steddiequest</i>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ <b>All Results are emailed. Please provide Email address:</b> _____																																																																														
<b>Relinquished By:</b> _____ <b>Date:</b> _____ <b>Received By:</b> _____		<b>REMARKS:</b> <i>Temp Blank 2.9°C Brought + taken from field.</i>																																																																														
<b>Delivered By: (Circle One)</b> _____ <b>Observed Temp. °C</b> <i>5.4°C</i> <b>Sampler - UPS - Bus - Other:</b> _____ <b>Corrected Temp. °C</b> <i>4.9°C</i>		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>CHECKED BY:</b> _____ (Initials)																																																																														
<b>Turnaround Time:</b> _____ <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Thermometer ID #113</b> _____ <b>Bacteria (only) Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Correction Factor <i>-0.5°C</i> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <b>Observed Temp. °C</b> _____ <b>Corrected Temp. °C</b> _____		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>TIME</th> <th>Chloride</th> <th>TPH (Gro + Pro + Mro)</th> <th>Benzene (BTEX)</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><i>07-06</i></td> <td><i>10:09</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>10:13</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>09:13</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>09:15</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>11:37</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>11:42</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DATE	TIME	Chloride	TPH (Gro + Pro + Mro)	Benzene (BTEX)							<i>07-06</i>	<i>10:09</i>	<i>X</i>	<i>X</i>	<i>X</i>								<i>10:13</i>	<i>X</i>	<i>X</i>	<i>X</i>								<i>09:13</i>	<i>X</i>	<i>X</i>	<i>X</i>								<i>09:15</i>	<i>X</i>	<i>X</i>	<i>X</i>								<i>11:37</i>	<i>X</i>	<i>X</i>	<i>X</i>								<i>11:42</i>	<i>X</i>	<i>X</i>	<i>X</i>						
DATE	TIME	Chloride	TPH (Gro + Pro + Mro)	Benzene (BTEX)																																																																												
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FORM 000-K-3-Z 10/07/21

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

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July 14, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/11/22 15:26.

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/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 with a large, flowing "C" at the beginning.

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:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 006E. 0-2' SUNOCO (H222973-01)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1	
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55	
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56	
Total BTEX	<0.300	0.300	07/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.7 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 068S. 0-2' SUNOCO (H222973-02)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1	
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55	
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56	
Total BTEX	<0.300	0.300	07/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	48.0	16.0	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 068S. 2-4' SUNOCO (H222973-03)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1	
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55	
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56	
Total BTEX	<0.300	0.300	07/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 068S. 4.5' SUNOCO (H222973-04)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1		
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55		
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56		
Total BTEX	<0.300	0.300	07/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6		
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1		
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND						

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.0 % 42.5-161

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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:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 070 4.5' SUNOCO (H222973-05)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1	
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55	
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56	
Total BTEX	<0.300	0.300	07/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	160	16.0	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 43-149

Surrogate: 1-Chlorooctadecane 96.9 % 42.5-161

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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:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 079N. 0-2' SUNOCO (H222973-06)**

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	07/14/2022	ND	1.87	93.4	2.00	10.1	
Toluene*	<0.050	0.050	07/14/2022	ND	2.23	111	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.24	112	2.00	8.55	
Total Xylenes*	<0.150	0.150	07/14/2022	ND	7.13	119	6.00	9.56	
Total BTEX	<0.300	0.300	07/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>64.0</b>	16.0	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 73.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 079N. 2-4' SUNOCO (H222973-07)**

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	07/12/2022	ND	1.89	94.3	2.00	5.99	QM-07, QR-03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	103	2.00	6.19	QR-03	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.18	109	2.00	6.73		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.64	111	6.00	6.50		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	48.0	16.0	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6		
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1		
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND						

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 079N. 4.5' SUNOCO (H222973-08)**

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	07/12/2022	ND	1.89	94.3	2.00	5.99	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	103	2.00	6.19	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.18	109	2.00	6.73	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.64	111	6.00	6.50	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	48.0	16.0	07/12/2022	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	07/12/2022	ND	189	94.5	200	12.6	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	179	89.3	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/11/2022	Sampling Date:	07/11/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 105 5.5' SUNOCO (H222973-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7440</b>	16.0	07/12/2022	ND	416	104	400	0.00	

**Sample ID: GS - 105 6.5' SUNOCO (H222973-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4800</b>	16.0	07/12/2022	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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

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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: <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>2022 0216-2020-water</b> Project Location: <b>Sunoco Pool</b> Sampler Name: <b>Jesus Palomas</b>		<b>BILL TO</b> P.O. #: <b>20220216-2020-water</b> Company: <b>Amerelder</b> Attn: <b>aparker@</b> Address: <b>Amerelder.com</b> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>ANALYSIS REQUEST</b>	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ H2022973		(G)RAB OR (C)OMP. <b>G1</b> # CONTAINERS _____ MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER : _____ PRESERV. _____ ACID/BASE: _____ ICE / COOL _____ OTHER : _____	DATE _____ TIME _____ 07-11 08:40 9:10 9:15 9:32 9:41 9:48 9:57 10:06 10:15 10:30	X X X X X X X X X X X	Chloride TPH (Geo + 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: <b>Jim Palmer</b> Date: <b>7-11-22</b> Time: <b>15:26</b>		Received By: <b>Janara Delgado</b> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <b>6.0</b> Corrected Temp. °C <b>5.5</b>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: <b>JS</b>		Turndown Time: _____ Thermometer ID #113 Correction Factor -0.5°C Standard <input checked="" type="checkbox"/> <b>RUSH</b> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C _____	
REMARKS: <b>Temp Blanks - 2.6°C Col. 2.1°C</b>					

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



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July 14, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/12/22 14:50.

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 with a large, flowing "C" at the beginning.

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:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 038 2' SUNOCO (H222990-01)**

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	07/13/2022	ND	2.03	101	2.00	5.01	
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	112	16.0	07/13/2022	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	07/13/2022	ND	212	106	200	0.286	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 038N. 0-2' SUNOCO (H222990-02)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	144	16.0	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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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:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 039 2' SUNOCO (H222990-03)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	16.0	16.0	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 039S. 0-2' SUNOCO (H222990-04)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 98.8 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 040 2' SUNOCO (H222990-05)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	16.0	16.0	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 041 2' SUNOCO (H222990-06)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 86.8 % 43-149

Surrogate: 1-Chlorooctadecane 92.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 041N. 0-2' SUNOCO (H222990-07)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	32.0	16.0	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 79.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 041S. 0-2' SUNOCO (H222990-08)**

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	07/13/2022	ND	2.03	101	2.00	5.01	
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/13/2022	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	07/13/2022	ND	212	106	200	0.286	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 042 2' SUNOCO (H222990-09)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/13/2022	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	07/13/2022	ND	212	106	200	0.286		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	198	98.9	200	2.33		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 78.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 043 2' SUNOCO (H222990-10)**

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 044NE 0-2' SUNOCO (H222990-11)**

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	07/13/2022	ND	2.03	101	2.00	5.01	
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 43-149

Surrogate: 1-Chlorooctadecane 95.1 % 42.5-161

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\*=Accredited Analyte

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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

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*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>Amereder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 0216-2020-water</u> Project Location: <u>Sunoco Pad</u> Sampler Name: <u>Jesus Palomares</u>		P.O. #: <u>20220216-2020-water</u> Company: <u>Amereder</u> Attn: <u>a.parker@amereder.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
<b>BILL TO</b>			
<b>ANALYSIS REQUEST</b>			
Lab I.D.  H022990	Sample I.D.  GS-038 2ft Sunoco GS-038M 0-2ft Sunoco GS-039 2ft Sunoco GS-039.5 0-2ft Sunoco GS-040 2ft Sunoco GS-041 2ft Sunoco GS-041W 0-2ft Sunoco GS-041.5 0-2ft Sunoco GS-042 2ft Sunoco SP 07-12-2022 <del>GS-042</del> 9	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV. SAMPLING DATE TIME Chloride TPH (Gro + Dro + Mro) BTEX ( Benzene)
Relinquished By: <u>Jim Palomares</u> Date: <u>7-12-22</u> Time: <u>14:50</u>		Received By: <u>Jessica Delgado</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C <u>6.1</u> Corrected Temp. °C <u>5.5</u> Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked BY: <u>AD</u>	
Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.8°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 Blank 4.5°C @ 0.6 3.9°C</u>	

† 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: Amereder  
 Project Manager: Andrew Parker  
 Address: On File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 2022 0216-2020-water  
 Project Location: Sunoco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 2022 0216-2020-water  
 Company: Amereder  
 Attn: aparker@amereder.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>H2022990</u>	<u>G5-043 3rd Sunoco</u>		<u>1</u>			<input checked="" type="checkbox"/>				<u>07-12</u>	<u>11:40</u>	<u>Chloride</u>
<u>10</u>	<u>G5-044 NE 02nd Sunoco</u>		<u>1</u>			<input checked="" type="checkbox"/>				<u>07-12</u>	<u>11:53</u>	<u>TPH (Grot Dro + Mro)</u>
												<u>BTEX (Benzene)</u>

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Relinquished By: Jim Palomares Date: 7-12-22 Received By: Jesus Palomares  
 Date: 7/12/22 Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS: Temp Blanks - 4.5c @ 0.06c 3.9c

Delivered By: (Circle One) Observed Temp. °C: 6.1c Sample Condition:  Intact  Cool  Intact  
 Corrected Temp. °C: 5.5c  Yes  No  Yes  No  
 Checked By: JP  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Correction Factor -0.5c 7/12/22  
 Bacteria (only) Sample Condition:  Cool  Intact  Observed Temp. °C: \_\_\_\_\_  
 Corrected Temp. °C: \_\_\_\_\_



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July 18, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/13/22 15:40.

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/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:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 034 2' SUNOCO (H223035-01)**

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	32.0	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 036 2' SUNOCO (H223035-02)**

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	16.0	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 060 0-2' SUNOCO (H223035-03)**

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	4960	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 43-149

Surrogate: 1-Chlorooctadecane 96.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 060 2-4' SUNOCO (H223035-04)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	2240	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND						

Surrogate: 1-Chlorooctane 94.5 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 060 4.5' SUNOCO (H223035-05)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	320	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND						

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 057 0-2' SUNOCO (H223035-06)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	4930	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND						

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 057 2-4' SUNOCO (H223035-07)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	
<b>Chloride</b>	<b>4320</b>	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND						

Surrogate: 1-Chlorooctane 91.7 % 43-149

Surrogate: 1-Chlorooctadecane 99.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received: 07/13/2022  
 Reported: 07/18/2022  
 Project Name: SUNOCO  
 Project Number: 20220216 - 2020 - WATER  
 Project Location: NONE GIVEN

Sampling Date: 07/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: GS - 057 4.5' SUNOCO (H223035-08)**

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	624	16.0	07/15/2022	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 053 0-2' SUNOCO (H223035-09)**

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	07/15/2022	ND	1.89	94.4	2.00	1.87	QM-07	
Toluene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.738		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.06	103	2.00	0.554		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.48	108	6.00	0.928		
Total BTEX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	960	16.0	07/15/2022	ND	432	108	400	3.77	QM-07	

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	07/15/2022	ND	182	91.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND						

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received: 07/13/2022  
 Reported: 07/18/2022  
 Project Name: SUNOCO  
 Project Number: 20220216 - 2020 - WATER  
 Project Location: NONE GIVEN

Sampling Date: 07/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: GS - 053 2-4' SUNOCO (H223035-10)**

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	07/15/2022	ND	1.89	94.4	2.00	1.87	
Toluene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.738	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.06	103	2.00	0.554	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.48	108	6.00	0.928	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	4400	16.0	07/15/2022	ND	432	108	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 053 4.5' SUNOCO (H223035-11)**

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	07/15/2022	ND	1.89	94.4	2.00	1.87	
Toluene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.738	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.06	103	2.00	0.554	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.48	108	6.00	0.928	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	4960	16.0	07/15/2022	ND	432	108	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	07/15/2022	ND	182	91.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	172	85.8	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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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

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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: Amerdel  
 Project Manager: Andrew Parker  
 Address: On File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sunoco Pad  
 Sampler Name: Jesus Palomas  
 P.O. #: 20220216-2020-water  
 Company: Amerdel  
 Attn: a.parker@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 :			
HA23035	G5-034 2ft Sunoco	G	1						07-13	10:32	Chloride	
	G5-036 2ft Sunoco									10:45	TPH (Gro + Dro + Mro)	
	G5-060 0-2ft Sunoco									10:54	BTEX (Benzene)	
	G5-060 2-4ft Sunoco									11:01		
	G5-060 4.5ft Sunoco									11:07		
	G5-057 0-2ft Sunoco									11:41		
	G5-057 2-4ft Sunoco									11:47		
	G5-057 4.5ft Sunoco									11:52		
	G5-053 0-2ft Sunoco									12:20		
	G5-053 2-4ft Sunoco									12:24		

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Relinquished By: Jim Palmer Date: 7/3/22 Received By: Stoddigrey  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_ Date: 1510 Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 41.8 Sample Condition:  Intact  Cool  Yes  No  
 Corrected Temp. °C 3.52 Checked BY: SK (Initials)  
 Sampler - UPS - Bus - Other: \_\_\_\_\_ Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Correction Factor -0.16 Bacteria (only)  Cool Intact  Yes  No  
 Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

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



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(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: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-Water  
 Project Location: Sunoco Pad  
 Sampler Name: Jesus Palomas  
 P.O. #: Amerceder SP 0713  
 Company: Amerceder  
 Attn: AParker@amerceder.com  
 Address: 20220216-2020-Water  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			
<u>H023035</u>	<u>G5-053 4.5ft Sunoco</u>	<u>G</u>	<u>4</u>			<input checked="" type="checkbox"/>					<u>0713</u>	<u>12:30</u>	<u>Chloride</u>	
													<u>TPH (Gro + Drot + Mro)</u>	
													<u>BTEX (Benzene)</u>	

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Relinquished By: [Signature] Date: 9/13/22 Time: 1540  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C: 4.1°C Corrected Temp. °C: 3.5°C  
 Sample Condition:  Cool  Intact  Yes  No  
 CHECKED BY: [Signature]  
 Turnaround Time:  Standard  Rush 8/27-13:30  
 Thermometer ID #113 0.10°C  
 Correction Factor: \_\_\_\_\_  
 Bacteria (only)  Cool  Intact  Yes  No  
 Sample Condition: \_\_\_\_\_ Observed Temp. °C: \_\_\_\_\_  
 Corrected Temp. °C: \_\_\_\_\_

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



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July 19, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/14/22 15:30.

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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 055S. 0-2' SUNOCO (H223067-01)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	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	48.0	16.0	07/18/2022	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	07/18/2022	ND	221	110	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	224	112	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.5 % 42.5-161

Cardinal Laboratories

\* = Accredited Analyte

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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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 055S. 2-4' SUNOCO (H223067-02)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/18/2022	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	07/16/2022	ND	203	102	200	1.09		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 055S. 4.5' SUNOCO (H223067-03)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/18/2022	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 059N. 0-2' SUNOCO (H223067-04)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	07/18/2022	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 059N. 2-4' SUNOCO (H223067-05)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 059N. 4.5' SUNOCO (H223067-06)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 061S. 0-2' SUNOCO (H223067-07)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 061S. 2-4' SUNOCO (H223067-08)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 061S. 4.5' SUNOCO (H223067-09)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 99.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 088 0-2' SUNOCO (H223067-10)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	4080	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 088 2-4' SUNOCO (H223067-11)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 088 4.5' SUNOCO (H223067-12)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 089S. 0-2' SUNOCO (H223067-13)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 43-149

Surrogate: 1-Chlorooctadecane 97.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 089S. 2-4' SUNOCO (H223067-14)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	184	91.9	200	2.55		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	196	97.9	200	0.938		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 69.4 % 43-149

Surrogate: 1-Chlorooctadecane 74.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 089S. 4.5' SUNOCO (H223067-15)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 091 0-2' SUNOCO (H223067-16)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4880	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 89.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 091 2-4' SUNOCO (H223067-17)**

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	07/16/2022	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	07/16/2022	ND	2.18	109	2.00	14.7		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.11	105	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.65	111	6.00	15.8		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2800	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 85.5 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 42.5-161

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\*=Accredited Analyte

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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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 091 4.5' SUNOCO (H223067-18)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	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	208	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 092N. 0-2' SUNOCO (H223067-19)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	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	64.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 092N. 2-4' SUNOCO (H223067-20)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 092N. 4.5' SUNOCO (H223067-21)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	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	32.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	203	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 094 0-2' SUNOCO (H223067-22)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	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	3800	16.0	07/18/2022	ND	432	108	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	07/15/2022	ND	185	92.3	200	1.68	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 094 2-4' SUNOCO (H223067-23)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	80.0	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	185	92.3	200	1.68	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 094 4.5' SUNOCO (H223067-24)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	07/18/2022	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	07/16/2022	ND	185	92.3	200	1.68	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 43-149

Surrogate: 1-Chlorooctadecane 71.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 095 0-2' SUNOCO (H223067-25)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	4160	16.0	07/18/2022	ND	432	108	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	07/16/2022	ND	185	92.3	200	1.68	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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\*=Accredited Analyte

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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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 095 2-4' SUNOCO (H223067-26)**

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	07/18/2022	ND	2.02	101	2.00	1.57	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49	
Total BTEX	<0.300	0.300	07/18/2022	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	2720	16.0	07/18/2022	ND	400	100	400	7.69	QM-07

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	07/16/2022	ND	185	92.3	200	1.68	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 095 4.5' SUNOCO (H223067-27)**

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	07/18/2022	ND	2.02	101	2.00	1.57		
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	104	2.00	1.69		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.42	107	6.00	1.49		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	07/18/2022	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	07/16/2022	ND	185	92.3	200	1.68		
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	193	96.5	200	1.81		
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND						

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 77.4 % 42.5-161

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Notes and Definitions

- 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

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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: <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>20220216-2020-water</b> Project Location: <b>Sunoco Pad</b> Sampler Name: <b>Jesus Palomares</b>		<b>BILL TO</b> P.O. #: <b>20220216-2020-water</b> Company: <b>Amerelder</b> Attn: <b>aparker@amerelder.com</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>ANALYSIS REQUEST</b>	
Lab I.D. <b>H223067</b> Sample I.D. _____		(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____		PRESERV _____ SAMPLING _____ DATE _____ TIME _____	
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Relinquished By: <i>[Signature]</i> Date: <b>7-14-22</b> Time: <b>1530</b>		Received By: <i>[Signature]</i> Date: <b>7-14-22</b> Time: <b>1530</b>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <b>4.7</b> Corrected Temp. °C <b>4.1</b>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <b>TS</b>		Turnaround Time: _____ Standard <input checked="" type="checkbox"/> <b>RUSH</b> Bacteria (only) <input type="checkbox"/> Sample Condition Observed Temp. °C Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C _____	
Relinquished By: <i>[Signature]</i> Date: <b>1530</b> Received By: <i>[Signature]</i>		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> Amercel <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> 20220216-2020-Water <b>Project Location:</b> Sunco Pad <b>Sampler Name:</b> Jesus Palomares <small>FOR LAB USE ONLY</small>		<b>BILL TO</b> <b>P.O. #:</b> 20220216-2020-Water <b>Company:</b> Amercel <b>Attn:</b> a.parker@amerdel.com <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____	
<b>Lab I.D.</b> H223067		<b>Sample I.D.</b> 21 GS-092N, 4.5ft Sunco 22 GS-094 0.2ft Sunco 23 GS-094 2.4ft Sunco 24 GS-094 4.5ft Sunco 25 GS-095 0.2ft Sunco 26 GS-095 2.4ft Sunco 27 GS-095 4.5ft Sunco	
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<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 7-14-22 <b>Time:</b> 1530 <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> _____ <b>Time:</b> _____		<b>SAMPLING</b> (G)RAB OR (C)OMP: G # CONTAINERS: 1 DATE: 07-14 TIME: 9:17 9:30 9:36 9:43 9:52 9:57 10:03	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: 41.7 Corrected Temp. °C: 41.1 Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <i>[Signature]</i>		<b>ANALYSIS REQUEST</b> Chloride TPH (Gro + Dro + Mro) BTEX (Benzene)	
<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 Correction Factor -0.3°C Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>		<b>REMARKS:</b> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	

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July 20, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/15/22 15:32.

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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 015 4.5' SUNOCO (H223098-01)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
<b>Toluene*</b>	<b>0.064</b>	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 016 0-2' SUNOCO (H223098-02)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	2920	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 016 2-4' SUNOCO (H223098-03)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	3280	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 016 4.5' SUNOCO (H223098-04)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	112	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 64.6 % 43-149

Surrogate: 1-Chlorooctadecane 71.2 % 42.5-161

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\* = Accredited Analyte

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 024 4.5' SUNOCO (H223098-05)**

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	07/18/2022	ND	2.02	101	2.00	9.47		
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2022	ND	432	108	400	7.69		

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	07/18/2022	ND	177	88.5	200	1.53		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 65.3 % 43-149

Surrogate: 1-Chlorooctadecane 73.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 025 4.5' SUNOCO (H223098-06)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
<b>Toluene*</b>	<b>0.057</b>	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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
<b>Chloride</b>	<b>48.0</b>	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 63.3 % 43-149

Surrogate: 1-Chlorooctadecane 69.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 026 4.2' SUNOCO (H223098-07)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	80.0	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 43-149

Surrogate: 1-Chlorooctadecane 75.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 026E. 0-2' SUNOCO (H223098-08)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	16.0	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 026E. 2-4' SUNOCO (H223098-09)**

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 43-149

Surrogate: 1-Chlorooctadecane 82.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 026E. 4.2' SUNOCO (H223098-10)**

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	07/19/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/19/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 43-149

Surrogate: 1-Chlorooctadecane 75.5 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 027 4.2' SUNOCO (H223098-11)**

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	07/19/2022	ND	2.02	101	2.00	9.47		
Toluene*	<0.050	0.050	07/19/2022	ND	2.07	103	2.00	8.42		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.10	105	2.00	8.77		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.40	107	6.00	8.17		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	16.0	16.0	07/18/2022	ND	432	108	400	7.69		

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	07/18/2022	ND	177	88.5	200	1.53		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 72.7 % 43-149

Surrogate: 1-Chlorooctadecane 78.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 028SE. 0-2' SUNOCO (H223098-12)**

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	07/19/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/19/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.40	107	6.00	8.17	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2022	ND	432	108	400	7.69	

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	07/19/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.7 % 42.5-161

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\*=Accredited Analyte

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 028SE. 2-4' SUNOCO (H223098-13)**

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	07/19/2022	ND	2.06	103	2.00	10.7	
Toluene*	<0.050	0.050	07/19/2022	ND	2.14	107	2.00	10.9	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	10.8	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.68	111	6.00	11.0	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	80.0	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/19/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 69.4 % 43-149

Surrogate: 1-Chlorooctadecane 75.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 028SE. 4.2' SUNOCO (H223098-14)**

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	07/19/2022	ND	2.06	103	2.00	10.7	
Toluene*	<0.050	0.050	07/19/2022	ND	2.14	107	2.00	10.9	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	10.8	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.68	111	6.00	11.0	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	215	107	200	3.87	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	221	110	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 43-149

Surrogate: 1-Chlorooctadecane 77.7 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 029S. 0-2' SUNOCO (H223098-15)**

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	07/19/2022	ND	2.06	103	2.00	10.7	
Toluene*	<0.050	0.050	07/19/2022	ND	2.14	107	2.00	10.9	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	10.8	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.68	111	6.00	11.0	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	144	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	215	107	200	3.87	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	221	110	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 029S. 2-4' SUNOCO (H223098-16)**

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	07/19/2022	ND	2.06	103	2.00	10.7	
Toluene*	<0.050	0.050	07/19/2022	ND	2.14	107	2.00	10.9	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	10.8	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.68	111	6.00	11.0	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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
<b>Chloride</b>	<b>144</b>	16.0	07/18/2022	ND	432	108	400	7.69	

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	07/18/2022	ND	215	107	200	3.87	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	221	110	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 029S. 4.2' SUNOCO (H223098-17)**

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	07/19/2022	ND	2.06	103	2.00	10.7	
Toluene*	<0.050	0.050	07/19/2022	ND	2.14	107	2.00	10.9	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	10.8	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.68	111	6.00	11.0	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	80.0	16.0	07/18/2022	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	07/18/2022	ND	215	107	200	3.87	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	221	110	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 68.0 % 42.5-161

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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

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*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>Amerelder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220216-2020 - water</u> Project Location: <u>Jesus Palomares</u> Sample Name: _____ FOR LAB USE ONLY		<b>BILL TO</b> P.O. #: <u>20220216-2020-water</u> Company: <u>Amerelder</u> Attn: <u>aparker@amerelder.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>ANALYSIS REQUEST</b>	
Lab I.D. <u>H223098</u> Sample I.D. _____		(G)RAB OR (C)OMP. _____ # CONTAINERS <u>1</u> GROUNDWATER _____ WASTEWATER _____ MATRIX SOIL <input checked="" type="checkbox"/> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____ PRESERV _____ DATE <u>07-15</u> TIME _____ SAMPLING _____		Chloride ✓ TPH (Gro + Dro + Mro) ✓ BTEX (Benzene) ✓	
PLEASE NOTE: Latency and Damages: Cardinal's liability and client's exclusive remedy shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable 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: <u>7-15-22</u> Time: <u>15:32</u>		Received By: _____ Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>3.6</u> Corrected Temp. °C <u>3.0</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: _____ (Initials)	
Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.3°C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____		REMARKS: <u>Temp Blank - 5.5°C/c-o.c./4.9°C</u>	

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



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(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  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sunoco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-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 :										
<u>H223098</u>	<u>11 GS-027 4.2ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>				<u>07-15</u>	<u>11:31</u>	<u>Chloride</u>							
	<u>12 GS-028SE 0-2ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>11:34</u>	<u>TPH (Gro + Doo + Mro)</u>							
	<u>13 GS-028SE 2-4ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>11:43</u>	<u>BTEX (Benzene)</u>							
	<u>14 GS-028SE 4.2ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>11:45</u>								
	<u>15 GS-029S 6-2ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>11:55</u>								
	<u>16 GS-029S 2-4ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>12:02</u>								
	<u>17 GS-029S 4.2ft Sunoco</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>12:11</u>								

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Relinquished By: [Signature] Date: 7-15-22 Received By: [Signature]  
 Relinquished By: [Signature] Date: 7-15-22 Received By: [Signature]  
 Delivered By: (Circle One) Observed Temp. °C 3.6 Sample Condition  Intact  Cool  Yes  No  Checked By: [Signature]  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 3.0  Yes  No  Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only)  Sample Condition  Observed Temp. °C \_\_\_\_\_  
 Thermometer ID #113  Yes  No  Correction Factor -0.5°C  Yes  No  Corrected Temp. °C \_\_\_\_\_



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

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July 21, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 15:40.

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/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 with a large, flowing "C" at the beginning.

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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.1S 0-2' SUNOCO (H223115-01)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	96.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 67.6 % 43-149

Surrogate: 1-Chlorooctadecane 72.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.1S 2-4' SUNOCO (H223115-02)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	112	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 63.8 % 43-149

Surrogate: 1-Chlorooctadecane 71.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.1S 4.5' SUNOCO (H223115-03)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	112	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 65.2 % 43-149

Surrogate: 1-Chlorooctadecane 68.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 003 SW 5.5' SUNOCO (H223115-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>416</b>	16.0	07/20/2022	ND	432	108	400	3.77	

**Sample ID: GS - 003 SW 6.5' SUNOCO (H223115-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	07/20/2022	ND	432	108	400	3.77	

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 013 4.5' SUNOCO (H223115-06)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 43-149

Surrogate: 1-Chlorooctadecane 68.1 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 013 N 0-2' SUNOCO (H223115-07)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	48.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 43-149

Surrogate: 1-Chlorooctadecane 76.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 013 N 2-4' SUNOCO (H223115-08)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	32.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 43-149

Surrogate: 1-Chlorooctadecane 76.2 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 013 N 4.5' SUNOCO (H223115-09)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	16.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 014 4.5' SUNOCO (H223115-10)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.5 % 43-149

Surrogate: 1-Chlorooctadecane 70.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 017 4.5' SUNOCO (H223115-11)**

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	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	80.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.0 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 017 W 0-2' SUNOCO (H223115-12)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	160	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 65.5 % 43-149

Surrogate: 1-Chlorooctadecane 68.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 017 W 2-4' SUNOCO (H223115-13)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 68.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 017 W 4.5' SUNOCO (H223115-14)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 61.6 % 43-149

Surrogate: 1-Chlorooctadecane 65.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 023 4.5' SUNOCO (H223115-15)**

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	07/20/2022	ND	2.10	105	2.00	2.16	
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	2.18	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.27	114	2.00	2.07	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	7.02	117	6.00	2.73	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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
<b>Chloride</b>	<b>144</b>	16.0	07/20/2022	ND	432	108	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 63.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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

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*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: Amerder  
 Project Manager: Andrew Parker  
 Address: On File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220916-2020-water  
 Project Location: Sunoco pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220916-2020-water  
 Company: Amerder  
 Attn: aparker@amerder.com  
 Address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
#2023115	G5-00115 0-244	G1	1						07-18	09:35	Chloride	
	G5-00115 2-444									09:40	TPH (Gro + Amo + Mo)	
	G5-00115 4.544									09:43	BTEX (Benzene)	
	G5-0035W 5.544									10:12		
	G5-0035W 6.544									10:15		
	G5-013 4.544									10:35		
	G5-013N 0-244									10:47		
	G5-013N 2-444									10:51		
	G5-013N 4.544									10:58		
	G5-014 4.544									11:07		

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Relinquished By: [Signature] Date: 7-18-22  
 Relinquished By: [Signature] Date: 7-18-22  
 Received By: [Signature] Date: 7-18-22  
 Received By: [Signature] Date: 7-18-22

Delivered By: (Circle One) Observed Temp. °C 6.3  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 5.7  
 Sample Condition: Cool  Intact   
 Checked By: (Initials) TD  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #13 Correction Factor -0.5°C 7-18-22  
 Bacteria (only) Sample Condition: Cool  Intact   
 Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

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



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

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

Company Name: <u>Amesder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>2022 Ball-2020-water</u> Project Location: <u>Sumco Pad</u> Sampler Name: <u>Jesus Palomares</u>		<b>BILL TO</b> P.O. #: <u>20220216-2020-water</u> Company: <u>Amesder</u> Attn: <u>aparker@amesder.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ # _____ 11 12 13 14 15		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : _____ ACID/BASE: ICE / COOL OTHER : _____	
(G)RAB OR (C)OMP. # CONTAINERS DATE TIME		PRESERV. SAMPLING DATE TIME	
GS-017 4.5ft Sumco GS-017W 0-2ft Sumco GS-017W 2-4ft Sumco GS-017W 4.5ft Sumco GS-023 4.5ft Sumco		6 2 07-18 11:20 11:31 11:34 11:42 11:57	
Chloride TPH (Gro + Dro + Mro) BTEX (Benzene)		✓ ✓ ✓	

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Relinquished By: Jesus Palomares Date: 7-18-22 Received By: Amesder  
 Reinstated By: \_\_\_\_\_ Date: 1540 Received By: Amesder

Delivered By: (Circle One) Observed Temp. °C 6.3 Sample Condition Cool Intact  Yes  No  
 Corrected Temp. °C 5.7 Checked By: (Initials) AD

Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #13 TS-7/18/22 Bacteria (only) Sample Condition Cool Intact  Yes  No  
 Correction Factor -0.5°C Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 Verbal Results:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

FORN-000R-3-2-1007121

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July 25, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/19/22 15:15.

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 with a large, flowing "C" and "K".

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:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.3 W 0-2' SUNOCO (H223136-01)**

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	07/22/2022	ND	2.09	104	2.00	6.65	
Toluene*	<0.050	0.050	07/22/2022	ND	2.09	104	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.87	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.56	109	6.00	7.38	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	64.0	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

Cardinal Laboratories

\* = Accredited Analyte

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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:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.3 W 2-4' SUNOCO (H223136-02)**

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 86.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 001.3 W 4.5' SUNOCO (H223136-03)**

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 068.1 4.5' SUNOCO (H223136-04)**

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	272	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 069 4.5' SUNOCO (H223136-05)**

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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>640</b>	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 073 4.5' SUNOCO (H223136-06)**

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	160	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/19/2022	Sampling Date:	07/19/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 076 4.5' SUNOCO (H223136-07)**

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	1020	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68		
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35		
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND						

Surrogate: 1-Chlorooctane 71.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

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*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 P.O. #: 20220216-2020-water  
 Project Manager: Andrew Parker Company: Amerceder  
 Address: On File Attn: aparker@amerceder.com  
 City: State: Zip: Address:  
 Phone #: Fax #: City: State: Zip:  
 Project #: Project Owner:  
 Project Name: 20220216-2020-water State: Zip:  
 Project Location: Sunco Pad Phone #: Fax #:  
 Sample Name: Jesus Palomares

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H223136</u>	<u>GS-001.3W</u>	<u>0-2ft</u>	<u>Sunco</u>									<u>Chloride</u>
	<u>GS-001.3W</u>	<u>2-4ft</u>	<u>Sunco</u>									<u>TPH (Gro + Dro + Mro)</u>
	<u>GS-001.3W</u>	<u>4.5ft</u>	<u>Sunco</u>									<u>BTEX (Benzene)</u>
	<u>GS-068.1</u>	<u>4.5ft</u>	<u>Sunco</u>									
	<u>GS-069</u>	<u>4.5ft</u>	<u>Sunco</u>									
	<u>GS-073</u>	<u>4.5ft</u>	<u>Sunco</u>									
	<u>GS-076</u>	<u>4.5ft</u>	<u>Sunco</u>									

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Relinquished By: [Signature] Date: 7-19-22 Received By: [Signature]  
 Relinquished By: [Signature] Date: 7-15-15 Received By: [Signature]  
 Time: Time:  
 Date: Date:  
 Time: Time:

Delivered By: (Circle One) Observed Temp. °C 5.8 Sample Condition  
 Cooler Intact  Yes  No  
 Cooler Intact  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 5.2 CHECKED BY: [Signature] (Initials)  
 Turnaround Time: Standard  Standard  Rush  
 Thermometer ID #113 Correction Factor -0.3°C 7-19-22 Bacteria (only) Sample Condition  
 Cooler Intact  Yes  No  No  Yes  
 Cooler Intact  Yes  No  No  Yes  
 Corrected Temp. °C

FORM 1000 R 3-2 10/07/21  
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabslabnm.com

REMARKS: TRIPBLANK - 3.8°C C.O.C 3.2°C



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

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July 26, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 07/22/22 8:39.

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:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 035 3.5' SUNOCO (H223212-01)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/26/2022	ND	416	104	400	3.92		

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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.4 % 42.5-161

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\* = Accredited Analyte

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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:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 069 S 0-2' SUNOCO (H223212-02)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	80.0	16.0	07/26/2022	ND	416	104	400	3.92		

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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 94.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 069 S 2-4' SUNOCO (H223212-03)**

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	07/26/2022	ND	2.14	107	2.00	3.92	
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	80.0	16.0	07/26/2022	ND	416	104	400	3.92	

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	07/25/2022	ND	211	106	200	0.618	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 069 S 4.5' SUNOCO (H223212-04)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	
<b>Chloride</b>	<b>64.0</b>	16.0	07/26/2022	ND	416	104	400	3.92		

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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 074 4.5' SUNOCO (H223212-05)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	
<b>Chloride</b>	<b>48.0</b>	16.0	07/26/2022	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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 95.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 075 4.5' SUNOCO (H223212-06)**

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	07/26/2022	ND	2.14	107	2.00	3.92	
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/26/2022	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	07/25/2022	ND	211	106	200	0.618	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 71.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 075 C. 0-2' SUNOCO (H223212-07)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	256	16.0	07/26/2022	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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 72.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 075 C. 2-4' SUNOCO (H223212-08)**

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	07/26/2022	ND	2.14	107	2.00	3.92	
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/26/2022	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	07/25/2022	ND	211	106	200	0.618	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 075 C. 4.5' SUNOCO (H223212-09)**

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	07/26/2022	ND	2.14	107	2.00	3.92	
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	416	16.0	07/26/2022	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	07/25/2022	ND	211	106	200	0.618	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 43-149

Surrogate: 1-Chlorooctadecane 77.0 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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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:	07/22/2022	Sampling Date:	07/21/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: BACKFILL 01 SUNOCO (H223212-10)**

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	07/26/2022	ND	2.14	107	2.00	3.92		
Toluene*	<0.050	0.050	07/26/2022	ND	2.22	111	2.00	4.16		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.27	113	2.00	4.03		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.96	116	6.00	4.81		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	96.0	16.0	07/26/2022	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	07/25/2022	ND	211	106	200	0.618		
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	210	105	200	0.177		
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND						

Surrogate: 1-Chlorooctane 78.5 % 43-149

Surrogate: 1-Chlorooctadecane 66.5 % 42.5-161

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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

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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: <b>Amerceder</b> Project Manager: <b>Andrew Parker</b> Address: <b>On File</b> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <b>20220216-2020-water</b> Project Location: <b>Sumaco Pad</b> Sampler Name: <b>Jesus Palomas</b>		<b>BILL TO</b> P.O. #: <b>20220216-2020-water</b> Company: <b>Amerceder</b> Attn: <b>aparker@amerceder.com</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ #1 <b>HA232A12</b>		MATRIX GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____ PRESERVY ACID/BASE: _____ ICE / COOL <input checked="" type="checkbox"/> 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 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.		(G)RAB OR (C)OMP. <input checked="" type="checkbox"/> # CONTAINERS <input checked="" type="checkbox"/> DATE TIME	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Form 1000 (Rev. 10/07/22)	Observed Temp. °C <b>3.4°</b> Corrected Temp. °C <b>2.8°</b> Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <b>[Signature]</b>	Turnaround Time: _____ Thermometer ID #113 Correction Factor <b>-0.10°</b> Standard <input checked="" type="checkbox"/> <b>Rush</b> Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C <b>5.2°</b>	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: <b>Temp Blank: 5.8°C - 0.0°C</b> <b>5.2°</b>
Relinquished By: <b>[Signature]</b> Date: <b>10-22</b> Time: <b>0839</b> Relinquished By: _____ Date: _____ Time: _____ Received By: <b>[Signature]</b>		ANALYSIS REQUEST Chloride <input checked="" type="checkbox"/> TPH (Gro + Dco + Mro) <input checked="" type="checkbox"/> BTEX (Benzene) <input checked="" type="checkbox"/>	

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

**2/22/22**



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

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August 05, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 08/01/22 15:43.

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, flowing 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:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 030 4.5' (H223389-01)**

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	08/04/2022	ND	2.15	107	2.00	6.79	
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	864	16.0	08/04/2022	ND	448	112	400	3.64	QM-07

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	08/04/2022	ND	179	89.4	200	4.41	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 79.0 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 031 4.5' (H223389-02)**

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	08/04/2022	ND	2.15	107	2.00	6.79		
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	32.0	16.0	08/04/2022	ND	448	112	400	3.64		

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	08/04/2022	ND	179	89.4	200	4.41		
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80		
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND						

Surrogate: 1-Chlorooctane 67.2 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 032 4' (H223389-03)**

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	08/04/2022	ND	2.15	107	2.00	6.79	
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	08/04/2022	ND	448	112	400	3.64	

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	08/04/2022	ND	179	89.4	200	4.41	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 032N 0-2' (H223389-04)**

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	08/04/2022	ND	2.15	107	2.00	6.79		
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	<16.0	16.0	08/04/2022	ND	448	112	400	3.64		

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	08/04/2022	ND	179	89.4	200	4.41		
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80		
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND						

Surrogate: 1-Chlorooctane 72.1 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 032N 2-4' (H223389-05)**

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	08/04/2022	ND	2.15	107	2.00	6.79		
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	<16.0	16.0	08/04/2022	ND	448	112	400	3.64		

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	08/04/2022	ND	179	89.4	200	4.41		
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80		
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND						

Surrogate: 1-Chlorooctane 71.1 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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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:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 033 4' (H223389-06)**

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	08/04/2022	ND	2.15	107	2.00	6.79	
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	08/04/2022	ND	448	112	400	3.64	

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	08/04/2022	ND	179	89.4	200	4.41	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 73.5 % 42.5-161

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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:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 033S 0-2' (H223389-07)**

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	08/04/2022	ND	2.15	107	2.00	6.79	
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	08/04/2022	ND	448	112	400	3.64	

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	08/04/2022	ND	179	89.4	200	4.41	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 72.3 % 43-149

Surrogate: 1-Chlorooctadecane 75.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 033S 2-4' (H223389-08)**

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	08/04/2022	ND	2.15	107	2.00	6.79		
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 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	08/04/2022	ND	448	112	400	3.64		

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	08/04/2022	ND	179	89.4	200	4.41		
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	189	94.3	200	6.80		
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND						

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 037 3.5' (H223389-09)**

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	08/04/2022	ND	2.15	107	2.00	6.79		
Toluene*	<0.050	0.050	08/04/2022	ND	2.19	110	2.00	6.19		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.21	110	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.76	113	6.00	7.20		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	<16.0	16.0	08/04/2022	ND	448	112	400	3.64		

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	08/04/2022	ND	219	110	200	8.06		
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1		
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND						

Surrogate: 1-Chlorooctane 91.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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August 05, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 08/02/22 13:23.

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:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 044 2' 2' SUNOCO (H223419-01)**

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	08/05/2022	ND	1.96	98.2	2.00	3.44	
Toluene*	<0.050	0.050	08/05/2022	ND	2.06	103	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.34	106	6.00	2.70	
Total BTEX	<0.300	0.300	08/05/2022	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	16.0	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 66.7 % 43-149

Surrogate: 1-Chlorooctadecane 71.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 044 4.5' 4.5' SUNOCO (H223419-02)**

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	08/05/2022	ND	1.96	98.2	2.00	3.44		
Toluene*	<0.050	0.050	08/05/2022	ND	2.06	103	2.00	1.01		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.02	101	2.00	2.00		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.34	106	6.00	2.70		
Total BTEX	<0.300	0.300	08/05/2022	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	48.0	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 73.9 % 43-149

Surrogate: 1-Chlorooctadecane 79.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 045 4.5' SUNOCO (H223419-03)**

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	08/05/2022	ND	1.96	98.2	2.00	3.44		
Toluene*	<0.050	0.050	08/05/2022	ND	2.06	103	2.00	1.01		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.02	101	2.00	2.00		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.34	106	6.00	2.70		
Total BTEX	<0.300	0.300	08/05/2022	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	
Chloride	128	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046 4.5' SUNOCO (H223419-04)**

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	08/04/2022	ND	2.04	102	2.00	6.09		
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1880	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 73.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.1 % 42.5-161

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\* = Accredited Analyte

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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:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046N. 0-2' SUNOCO (H223419-05)**

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	08/04/2022	ND	2.04	102	2.00	6.09	
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046N. 2-4' SUNOCO (H223419-06)**

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	08/04/2022	ND	2.04	102	2.00	6.09		
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046N. 4.5' SUNOCO (H223419-07)**

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	08/04/2022	ND	2.04	102	2.00	6.09	
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	48.0	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046S. 0-2' SUNOCO (H223419-08)**

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	08/04/2022	ND	2.04	102	2.00	6.09		
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 73.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046S. 2-4' SUNOCO (H223419-09)**

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	08/04/2022	ND	2.04	102	2.00	6.09		
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 69.2 % 43-149

Surrogate: 1-Chlorooctadecane 74.4 % 42.5-161

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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:	08/02/2022	Sampling Date:	08/02/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 046S. 4.5' SUNOCO (H223419-10)**

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	08/04/2022	ND	2.04	102	2.00	6.09	
Toluene*	<0.050	0.050	08/04/2022	ND	2.12	106	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.16	108	2.00	5.98	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.60	110	6.00	5.99	
Total BTEX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/04/2022	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	08/05/2022	ND	186	92.8	200	6.38	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	191	95.6	200	6.27	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 43-149

Surrogate: 1-Chlorooctadecane 76.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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

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*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: Amerdel  
 Project Manager: Andrew Parker  
 Address: On File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sunco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-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 REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:			
<u>2023419</u>	<u>GS-044 2ft Sunco</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>					<u>08-02</u>	<u>10:05</u>	<u>Chloride</u>
	<u>GS-044 4.5ft Sunco</u>											<u>10:15</u>	<u>TPH (Gro + Dro + Mro)</u>
	<u>GS-045 Sunco</u>											<u>10:23</u>	<u>BTEX (Benzene)</u>
	<u>GS-046 Sunco</u>											<u>10:28</u>	
	<u>GS-046 Sunco</u>											<u>10:34</u>	
	<u>GS-046M Sunco</u>											<u>10:41</u>	
	<u>GS-046M Sunco</u>											<u>10:47</u>	
	<u>GS-046S Sunco</u>											<u>10:52</u>	
	<u>GS-046S Sunco</u>											<u>11:00</u>	

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Relinquished By: [Signature] Date: 09-02-2022 Received By: S Acar STENZ  
 Time: 11:33

Relinquished By: [Signature] Date: 8/2/22 Received By: [Signature]  
 Time: 12:33

Delivered By: (Circle One) Other Observed Temp. °C: 3.16 Sample Condition: Intact CHECKED BY: [Signature]  
 Corrected Temp. °C: 2.50  Yes  No

Standard  Bacteria (only)  Sample Condition   
 Rush  Cool Intact  Observed Temp. °C   
 Thermometer ID #113 Correction Factor 0.10°C  Yes  No  No  No  No  No  No  No  No  No

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



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August 08, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 08/03/22 16:03.

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:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 047 4.5' SUNOCO (H223475-01)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<b>128</b>	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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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:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 048 4.5' SUNOCO (H223475-02)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	224	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 049 4.5' SUNOCO (H223475-03)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	224	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 050 4.5' SUNOCO (H223475-04)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	400	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 050 NE 0-2' SUNOCO (H223475-05)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	80.0	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 43-149

Surrogate: 1-Chlorooctadecane 99.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 050 NE 2-4' SUNOCO (H223475-06)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 111 % 43-149

Surrogate: 1-Chlorooctadecane 117 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 050 NE 4.5' SUNOCO (H223475-07)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	176	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 052 N 0-2' SUNOCO (H223475-08)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 052 N 2-4' SUNOCO (H223475-09)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	48.0	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	200	99.8	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	189	94.3	200	4.63	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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\* = Accredited Analyte

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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:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 052 N 4.5' SUNOCO (H223475-10)**

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	08/05/2022	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	08/05/2022	ND	1.98	99.1	2.00	0.957	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.00	100	2.00	0.931	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.16	103	6.00	0.166	
Total BTEX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 74.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 097 4.5' SUNOCO (H223475-11)**

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	08/05/2022	ND	1.80	90.2	2.00	5.14		
Toluene*	<0.050	0.050	08/05/2022	ND	1.92	96.1	2.00	4.97		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	0.766		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	100	6.00	2.00		
Total BTEX	<0.300	0.300	08/05/2022	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	
<b>Chloride</b>	<b>2680</b>	16.0	08/06/2022	ND	448	112	400	3.64		

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	08/05/2022	ND	175	87.4	200	2.13		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 098 2' SUNOCO (H223475-12)**

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	08/05/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/05/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/05/2022	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
<b>Chloride</b>	<b>160</b>	16.0	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 099 2' SUNOCO (H223475-13)**

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	08/05/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/05/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/05/2022	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	08/06/2022	ND	448	112	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 43-149

Surrogate: 1-Chlorooctadecane 71.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 100 2' SUNOCO (H223475-14)**

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	08/05/2022	ND	1.80	90.2	2.00	5.14		
Toluene*	<0.050	0.050	08/05/2022	ND	1.92	96.1	2.00	4.97		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	0.766		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	100	6.00	2.00		
Total BTEX	<0.300	0.300	08/05/2022	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	<16.0	16.0	08/06/2022	ND	448	112	400	3.64		

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	08/05/2022	ND	175	87.4	200	2.13		
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20		
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 74.8 % 43-149

Surrogate: 1-Chlorooctadecane 79.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 100 S. 0-2' SUNOCO (H223475-15)**

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	08/06/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/06/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/06/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/06/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/06/2022	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	48.0	16.0	08/06/2022	ND	432	108	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 76.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 116 5' SUNOCO (H223475-16)**

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	08/06/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/06/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/06/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/06/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	5760	16.0	08/06/2022	ND	432	108	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 74.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 116 E 0-2' SUNOCO (H223475-17)**

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	08/06/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/06/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/06/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/06/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/06/2022	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
Chloride	48.0	16.0	08/06/2022	ND	432	108	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.8 % 42.5-161

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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:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 116 E 2-4' SUNOCO (H223475-18)**

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	08/06/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/06/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/06/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/06/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/06/2022	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	32.0	16.0	08/06/2022	ND	432	108	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 43-149

Surrogate: 1-Chlorooctadecane 74.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/03/2022	Sampling Date:	08/03/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 116 E 4.5' SUNOCO (H223475-19)**

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	08/06/2022	ND	1.80	90.2	2.00	5.14	
Toluene*	<0.050	0.050	08/06/2022	ND	1.92	96.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/06/2022	ND	1.94	97.2	2.00	0.766	
Total Xylenes*	<0.150	0.150	08/06/2022	ND	6.03	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/06/2022	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
Chloride	32.0	16.0	08/06/2022	ND	432	108	400	3.64	

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	08/05/2022	ND	175	87.4	200	2.13	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	180	90.2	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 43-149

Surrogate: 1-Chlorooctadecane 74.8 % 42.5-161

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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

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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: Amerleber  
 Project Manager: Andrew Parker  
 Address: On File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sunaco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-water  
 Company: Amerleber  
 Attn: a.parker@amerleber.com  
 Address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H023475	GS-047	4.5ft	1			✓				02-03	11:45	Chloride
	GS-048	4.5ft	1			✓				11:52	11:59	TPH (Gro + Dro + Mro)
	GS-049	4.5ft	1			✓				12:01	12:05	BTEX (Benzene)
	GS-050	4.5ft	1			✓				12:08	12:27	
	GS-050NE	2.4ft	1			✓				12:21	12:32	
	GS-052N	0.2ft	1			✓				12:32	12:36	
	GS-052N	4.5ft	1			✓						

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Relinquished By: [Signature] Date: 8-3-22 Time: \_\_\_\_\_  
 Received By: [Signature] Date: 10-03 Time: \_\_\_\_\_  
 Relinquished By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C: 52 Corrected Temp. °C: 41.6  
 Sample Condition:  Intact  Cool  Yes  No  Yes  No  
 CHECKED BY: (Initials) [Initials]  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Correction Factor -0.5°C 4/3/22  
 Bacteria (only)  Sample Condition  Observed Temp. °C \_\_\_\_\_  
 Cool  Intact  Yes  No  Yes  No  Corrected Temp. °C \_\_\_\_\_

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



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 (575) 393-2326 FAX (575) 393-2476

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amereder  
 Project Manager: Andrew Parker  
 Address: On File  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sumaco Pad  
 Sampler Name: Jesus Palomares  
 P.C. #: 20220216-2020-water  
 Company: Amereder  
 Attn: aparker@amereder.com  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV		DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
<u>H023475</u>															
<u>11</u>	<u>GS-097</u>	<u>4.5ft</u>	<u>Sumaco</u>												<u>Chloride</u>
<u>12</u>	<u>GS-098</u>	<u>2ft</u>	<u>Sumaco</u>												<u>TPH (Gro + Dro + Mro)</u>
<u>13</u>	<u>GS-099</u>	<u>2ft</u>	<u>Sumaco</u>												<u>BTEX (Benzene)</u>
<u>14</u>	<u>GS-100</u>	<u>2ft</u>	<u>Sumaco</u>												
<u>15</u>	<u>GS-100.5</u>	<u>0-2ft</u>	<u>Sumaco</u>												
<u>16</u>	<u>GS-116</u>	<u>5ft</u>	<u>Sumaco</u>												
<u>17</u>	<u>GS-116E</u>	<u>0-2ft</u>	<u>Sumaco</u>												
<u>18</u>	<u>GS-116E</u>	<u>2-4ft</u>	<u>Sumaco</u>												
<u>19</u>	<u>GS-116E</u>	<u>4.5ft</u>	<u>Sumaco</u>												

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Relinquished By: [Signature] Date: 8-5-22 Time: 1603  
 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 5.2  
 Corrected Temp. °C 4.6  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: [Signature]  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  
 Corrected Temp. °C \_\_\_\_\_



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

---

August 10, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 08/05/22 16:33.

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".

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:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 044 SW 0-2' (H223520-01)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11	
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58	
Total BTEX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	32.0	16.0	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 044 SW 2-4' (H223520-02)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11		
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58		
Total BTEX	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90		
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND						

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 95.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 044 SW 4.5' (H223520-03)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11		
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58		
Total BTEX	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	32.0	16.0	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90		
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND						

Surrogate: 1-Chlorooctane 88.5 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/05/2022	Sampling Date:	08/05/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 084 2' (H223520-04)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11	
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58	
Total BTEX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	64.0	16.0	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.7 % 42.5-161

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\*=Accredited Analyte

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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:	08/05/2022	Sampling Date:	08/05/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 084 E 0-2' (H223520-05)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11	
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58	
Total BTEX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	80.0	16.0	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/05/2022	Sampling Date:	08/05/2022
Reported:	08/10/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SUNOCO PAD		

**Sample ID: GS - 084 NW 0-2' (H223520-06)**

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	08/09/2022	ND	1.93	96.4	2.00	8.11		
Toluene*	<0.050	0.050	08/09/2022	ND	2.03	101	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	9.67		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.28	105	6.00	9.58		
Total BTEX	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	64.0	16.0	08/10/2022	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	08/09/2022	ND	185	92.4	200	2.90		
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.4	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND						

Surrogate: 1-Chlorooctane 99.3 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amredev  
 Project Manager: Andrew Parker  
 Address: On-File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Shnac0  
 Sampler Name: Jacob Saenz  
 P.O. #: 20220216-2020-water  
 Company: AEP  
 Attn: Send to  
 Address: aparker@amredev.com  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H223520</u>	<u>GS-0445W</u>	<u>C</u>	<u>1</u>	<u>X</u>							<u>9/4/22</u>	<u>8am</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>GS-0445W</u>										<u>8/4/22</u>	<u>4:30m</u>			
	<u>GS-0445W</u>										<u>9/4/22</u>	<u>9am</u>			
	<u>GS-084E</u>										<u>8/5/22</u>	<u>10:30m</u>			
	<u>GS-084E</u>										<u>8/5/22</u>	<u>11am</u>			
	<u>GS-084NW</u>										<u>8/3/22</u>	<u>11:30am</u>			

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Relinquished By: [Signature] Date: 8-5-22  
 Relinquished By: [Signature] Date: 10-33  
 Received By: [Signature]  
 Time: \_\_\_\_\_

Delivered By: (Circle One) 2-88 C-0-60  
 Sampler - UPS - Bus - Other: 2-88 #13  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: [Signature]

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

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August 12, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO

Enclosed are the results of analyses for samples received by the laboratory on 08/09/22 16:30.

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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 096 0-2' SUNOCO (H223569-01)**

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	08/11/2022	ND	1.81	90.6	2.00	6.68	
Toluene*	<0.050	0.050	08/11/2022	ND	1.94	96.9	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.84	91.8	2.00	5.47	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	5.70	94.9	6.00	6.68	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	08/11/2022	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	08/10/2022	ND	223	111	200	1.28	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	204	102	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 096 2-4' SUNOCO (H223569-02)**

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	08/11/2022	ND	1.81	90.6	2.00	6.68		
Toluene*	<0.050	0.050	08/11/2022	ND	1.94	96.9	2.00	5.07		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.84	91.8	2.00	5.47		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	5.70	94.9	6.00	6.68		
Total BTEX	<0.300	0.300	08/11/2022	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	32.0	16.0	08/11/2022	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	08/10/2022	ND	223	111	200	1.28		
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	204	102	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND						

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 96.6 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 096 4.5' SUNOCO (H223569-03)**

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	08/11/2022	ND	1.81	90.6	2.00	6.68	
Toluene*	<0.050	0.050	08/11/2022	ND	1.94	96.9	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.84	91.8	2.00	5.47	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	5.70	94.9	6.00	6.68	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	08/11/2022	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	08/10/2022	ND	183	91.4	200	4.84	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	198	99.1	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/09/2022	Sampling Date:	08/06/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220216 - 2020 - WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

**Sample ID: GS - 098 N 0-2' SUNOCO (H223569-04)**

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	08/11/2022	ND	1.81	90.6	2.00	6.68	
Toluene*	<0.050	0.050	08/11/2022	ND	1.94	96.9	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.84	91.8	2.00	5.47	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	5.70	94.9	6.00	6.68	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/11/2022	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	08/10/2022	ND	183	91.4	200	4.84	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	198	99.1	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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.
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

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\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

**BILL TO ANALYSIS REQUEST**

Company Name: Amerceder  
 Project Manager: Andrew Parker  
 Address: On File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220216-2020-water  
 Project Location: Sumaco Pad  
 Sampler Name: Jesus Palomares  
 P.O. #: 20220216-2020-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 REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.			
<u>HP035509</u>			<u>1</u>								<u>08-09</u>	<u>13:22</u>	<u>Chloride</u>
<u>1</u>	<u>GS-096</u>	<u>0-2ft</u>	<u>1</u>								<u>08-09</u>	<u>13:29</u>	<u>TPH (Gro + Dro + Mro)</u>
<u>2</u>	<u>GS-096</u>	<u>2-4ft</u>	<u>1</u>								<u>08-09</u>	<u>13:43</u>	<u>BTEX (Benzene)</u>
<u>3</u>	<u>GS-096</u>	<u>4-5ft</u>	<u>1</u>								<u>08-06</u>	<u>10:07</u>	
<u>4</u>	<u>GS-098N</u>	<u>0-2ft</u>	<u>1</u>										

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Relinquished By: [Signature]  
 Date: 08/22  
 Time: 10:30  
 Received By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Observed Temp. °C: 3.32  
 Corrected Temp. °C: 2.72  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: [Signature]  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113  
 Correction Factor -0.6°C  
 Standard  Rush   
 Bacteria (only)  Sample Condition  Observed Temp. °C  
 Cool Intact  Yes  No  
 Corrected Temp. °C: \_\_\_\_\_

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



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---

August 15, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SUNOCO DIESEL BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 15:30.

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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: BOOSTER BACKFILL 01 (H223611-01)**

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	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTEX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	08/15/2022	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	08/12/2022	ND	211	105	200	17.0	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	211	105	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

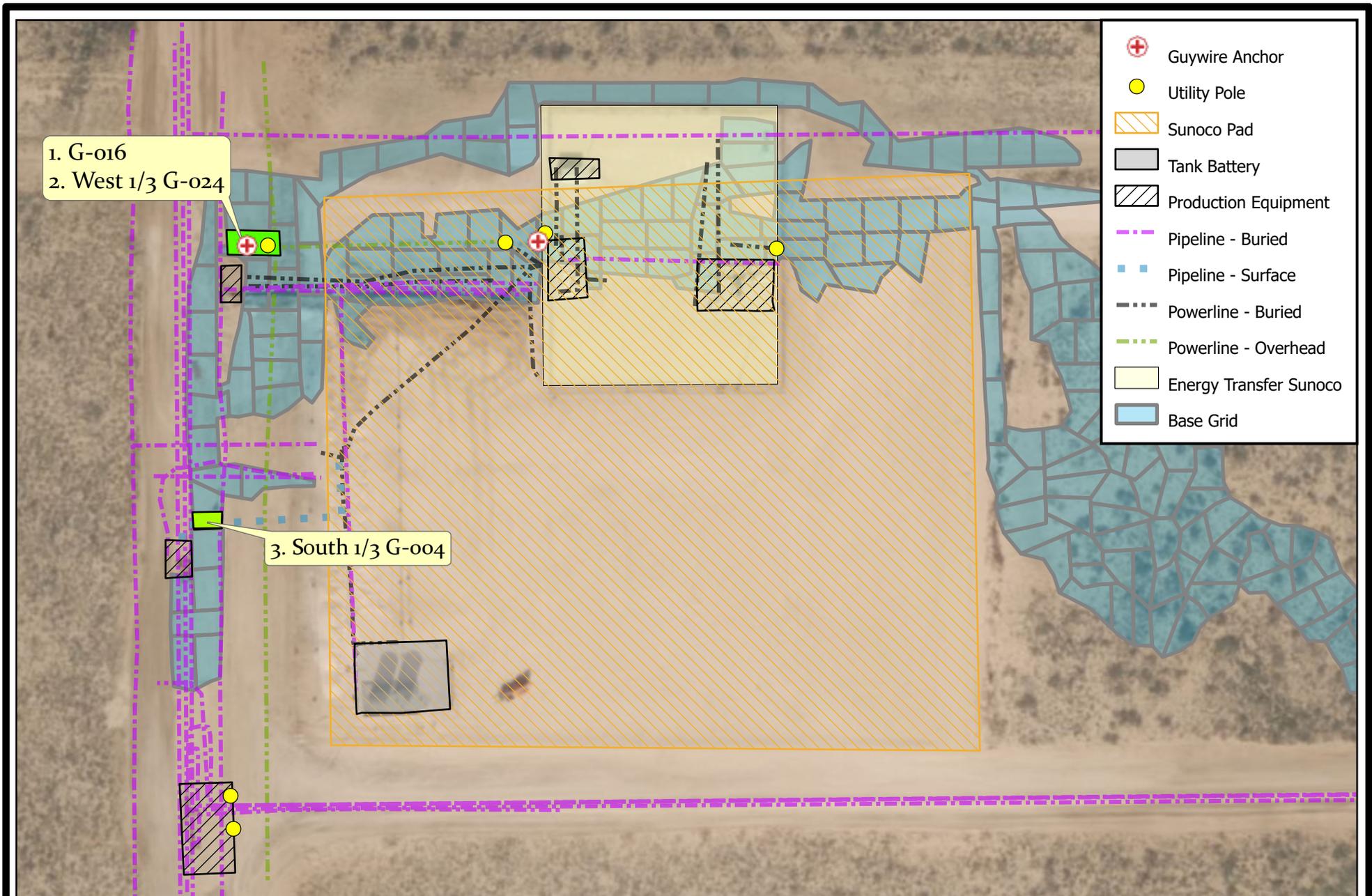


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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <u>Amerdel</u> Project Manager: <u>Andrew Parker</u>		<b>BILL TO</b> P.O. #: <u>20220510-1000-Parkers</u> Company: <u>Amerdel</u> Attn: <u>a.parker@amerdel.com</u> Address: _____ City: _____ State: _____ Zip: _____	
Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____		Project Name: <u>20220510-1000-Parkers</u> Project Location: <u>Sumco Diesel Booster Pump</u> Sampler Name: <u>Jesus Palomares</u> Fax #: _____ Phone #: _____	
FOR LAB USE ONLY			
Lab I.D. <u>H333611</u> Sample I.D. <u>Booster BadAll 01</u>	(G)RAB OR (C)OMP # CONTAINERS <u>91</u>	MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> OIL _____ SLUDGE _____ OTHER: _____	PRESERV _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____
	DATE <u>08-10</u> TIME <u>7:45</u>	ANALYSIS REQUEST <u>Chloride</u> <u>TPH (Grot + Prot + Mro)</u> <u>BTEX (Benzene)</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: <u>[Signature]</u> Date: <u>8/10/22</u>	Received By: <u>[Signature]</u> Date: <u>8/10/22</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:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>4.9</u> Corrected Temp. °C <u>4.3</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked BY: <u>[Signature]</u>	Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C
REMARKS: <u>temp blank 4.9</u>			

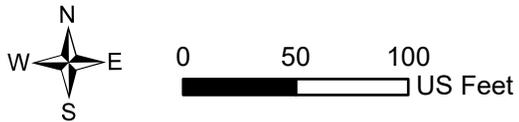
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



1. G-016  
2. West 1/3 G-024

3. South 1/3 G-004

- Guywire Anchor
- Utility Pole
- Sunoco Pad
- Tank Battery
- Production Equipment
- Pipeline - Buried
- Pipeline - Surface
- Powerline - Buried
- Powerline - Overhead
- Energy Transfer Sunoco
- Base Grid



Off-Site Deferral Areas  
Sunoco Pad  
Incident #: nAPP2205943754  
AEP #: 20220216-2020-water

Plate 16  
10/11/2022

**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**

COMMENTS

Action 150192

**COMMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 150192
	Action Type: [C-141] Release Corrective Action (C-141)

**COMMENTS**

Created By	Comment	Comment Date
jharimon	Missing Intial C-141 pages	10/13/2022

**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 150192

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 150192
	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.	10/28/2022