

Incident ID	nAPP2213130408
District RP	
Facility ID	
Application ID	

Remediation Plan

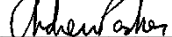
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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 ParkerTitle: Env. ScientistSignature: Date: November 15, 2022email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral ApprovedSignature: Date: 11/15/2022

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

QUESTIONS

Action 105883

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 105883
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Sunoco Booster Pump 20220510-1000-prodops
Date Release Discovered	05/10/2022
Surface Owner	Private

Incident Details	
<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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Gasket Produced Water Released: 21 BBL Recovered: 0 BBL Lost: 21 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 105883

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 105883
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 105883

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	Action Number: 105883
	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 105883

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 105883
	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.	5/11/2022

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	3432.00
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	120.1
		[gal]	898.6
		Barrels	21.4

From GIS

Sq. Ft 11440

Depth (ft) 0.3

Cu. Ft 3432

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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? <u>Plates 2</u>	<u>>100</u> (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? <u>Plate 4</u>	<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)? <u>Plate 4</u>	<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? <u>Plate 5</u>	<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? <u>Plate 4</u>	<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? <u>Plate 4</u>	<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? <u>Plate 4</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <u>Plate 6</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <u>Plate 7</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <u>Plate 8</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <u>Plate 9</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not 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 ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody.

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

State of New Mexico
Oil Conservation Division

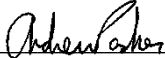
Page 4

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Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: October 12, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

OCD Only

Received by: Jocelyn Harimon

Date: 10/12/2022

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Remediation Plan

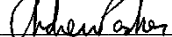

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: October 12, 2022email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn Harimon Date: 10/12/2022☐ Approved ☐ Approved with Attached Conditions of Approval ☒ Denied ☐ Deferral ApprovedSignature: Date: 11/03/2022

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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.

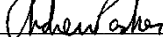
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ 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 12, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

OCD Only

Received by: Jocelyn Harimon

Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____



Ameredev II, LLC

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

October 12, 2022

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

RE: Remediation and Closure/Deferral Report
Incident ID: nAPP2213130408
Sunoco Diesel Booster Pump
AEP #: 20220510-1000-prodops

NMOCD:

Ameredev Operating submits this closure report and deferral request for the above referenced incident. We respectfully ask NMOCD for

1. Closure of the regulatory file for areas off-site and within the right-of-way (ROW).
2. Remediation deferral around production equipment within the right-of-way.
3. Remediation deferral for areas on-site currently being used for oil and gas operations.

The previous remediation plan dated July 08, 2022 was denied on July 19, 2022 due to inadequate depth to water determination. Extension until October 28, 2022 was approved on August 30, 2022. Communications are attached in Appendix A.

To resolve the denial for depth-to-water determination within ½-mile of the release extent, Ameredev Operating initiated a depth-to-water borehole program mid-September 2022:

- Boreholes are located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- 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.

Plate 1 shows the release extent relative to the Sunoco production facilities, ROW, and nearby utilities.

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Sunoco Diesel Booster Pump
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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 rev. The Office of the State Engineer well log is attached in Appendix B:

1. CP-1918 POD 1 located 0.25-miles east of the release extent with a depth to water of >101 ft. dated 09/26/2022.

2. Remediation Activities

Ameredev proceeded with excavation of the off-site ROW area to remove impacted material within the release extent to prevent further migration of the constituents of concern. NMOCD approved a variance for base and wall sample grid size not to exceed 400 square feet per email communication dated June 21, 2022. Communications, including 48-hour sampling notice with a notification that remediation activities were to begin (July 20, 2022), are included in Appendix A.

- Plate 10 shows the sampling grid layout.
- Confirmation sample points are identified on Plate 11 (revised)
- Plate 12 shows the excavation extent and depths.
- Summary of analytical is shown on Table B, and
- The laboratory Certificates of Analyses are located in Appendix C.

Soil samples were collected from each grid base and along excavation walls for laboratory analysis of Chloride, TPH, Benzene, and BTEX. Remediation of off-site areas (Figures 1 through 3) occurred until the walls and bases met Closure Criteria per Table 1 of 19.15.29 NMAC, where depth to water is > 100 ft as defined below for off-site areas.

Closure criteria is defined as follows:

- For the release areas off-site, along a right-of-way, and where depth to water is > 100 ft:
 - Upper 4-feet
 - Chloride < 600 mg/kg
 - TPH (GRO + DRO + MRO) < 100 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg
 - Below 4-feet
 - Chloride < 20,000 mg/kg
 - TPH (GRO + DRO + MRO) < 2,500 mg/kg
 - TPH (GRO + DRO) < 1,000 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg

10/12/2022

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AEP #: 20220510-1000-prodops



Figure 1: Looking southwest towards booster pump from northwest excavation extent at the western edge of production site. Date/Time: 2022-07-01 14:38:44. GPS:



*Figure 2: Viewing northeast from western edge of excavation extent – east of the pipeline riser production facility.
Date/Time: 2022-07-20 08:19:28
GPS: 32.1512064, -103.2812653*

10/12/2022

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*Figure 3: Viewing south from
northwestern excavation extent at
western edge of the production site.
Date/Time: 2022-07-20 08:16:04
GPS: 32.1513908, -103.2810736*

Ameredev proceeded with sampling for horizontal and vertical delineation on the active production site and around production facilities, to determine release extent and to evaluate constituents of concern. Base samples were collected at the surface for horizontal delineation and grab samples at surface and from a hand auger at specified depths below the surface to evaluate the vertical extent of impacted soil. Analysis of constituents of concern showed that all soil samples met Closure Criteria, defined below, for an active production site. Therefore, no excavation occurred on the active production site or immediately surrounding production facilities.

- 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

10/12/2022

Released to Imaging: 11/15/2022 12:36:33 PM

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3. Deferral Request

Ameredev respectfully asks NMOCD for deferral of impacted areas immediately around production equipment (grids G-01, G-02) and on the active production site (grids G-08 and G-14 through G-31). These areas meet the criteria for deferral request as defined in 19.15.29.12.C.(2):

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

Production equipment is located at the southwest edge of the release extent (G-01 and G-02). Remediating around this production equipment could cause structure instability resulting in major facility deconstruction. Sampling for horizontal delineation around this production equipment met the most stringent closure criteria for constituents of concern (GS-01 N, GS-01 W and GS-02 S).

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

Approximately 1,680 cu. yds. of material was excavated and hauled off-site to an approved disposal facility.

The portion of the release extent that was off-site and within the ROW was remediated, restored, and reclaimed (Figure 4) per 19.15.29.13.D NMAC.

Figure 4: Restored surface along the right-of-way viewing north-northwest from the southern edge of the release extent.

Date: 08/22/2022. Lat/Long: 32.1510164 N, 103.2813189 W



10/12/2022

Released to Imaging: 11/15/2022 12:36:33 PM



Ameredev N, LLC

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AEP #: 20220510-1000-prodops

The release extent on the active production pad and around production equipment will be remediated, restored, and reclaimed 19.15.29.13.A-D NMAC 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

10/12/2022

Released to Imaging: 11/15/2022 12:36:33 PM

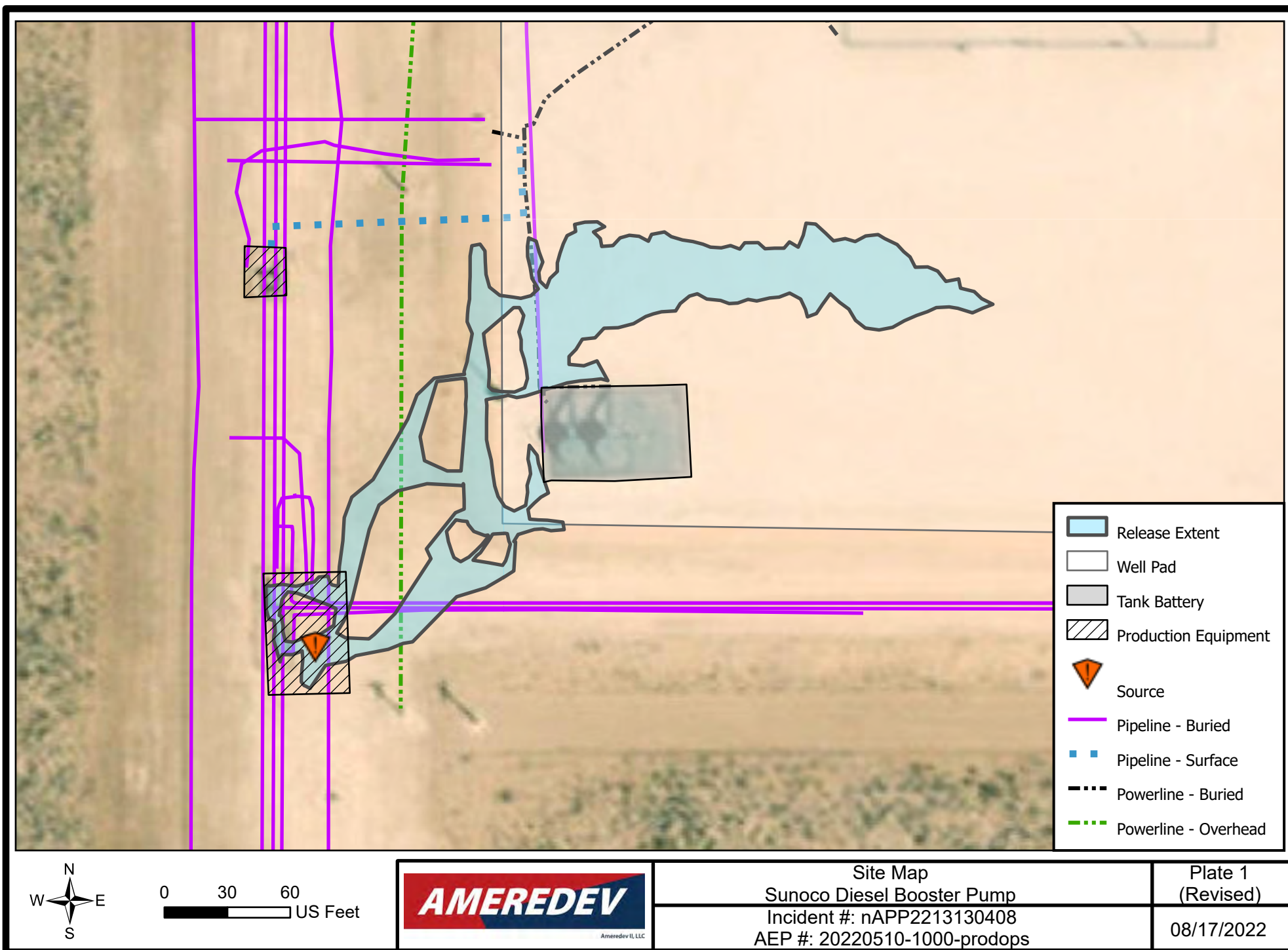


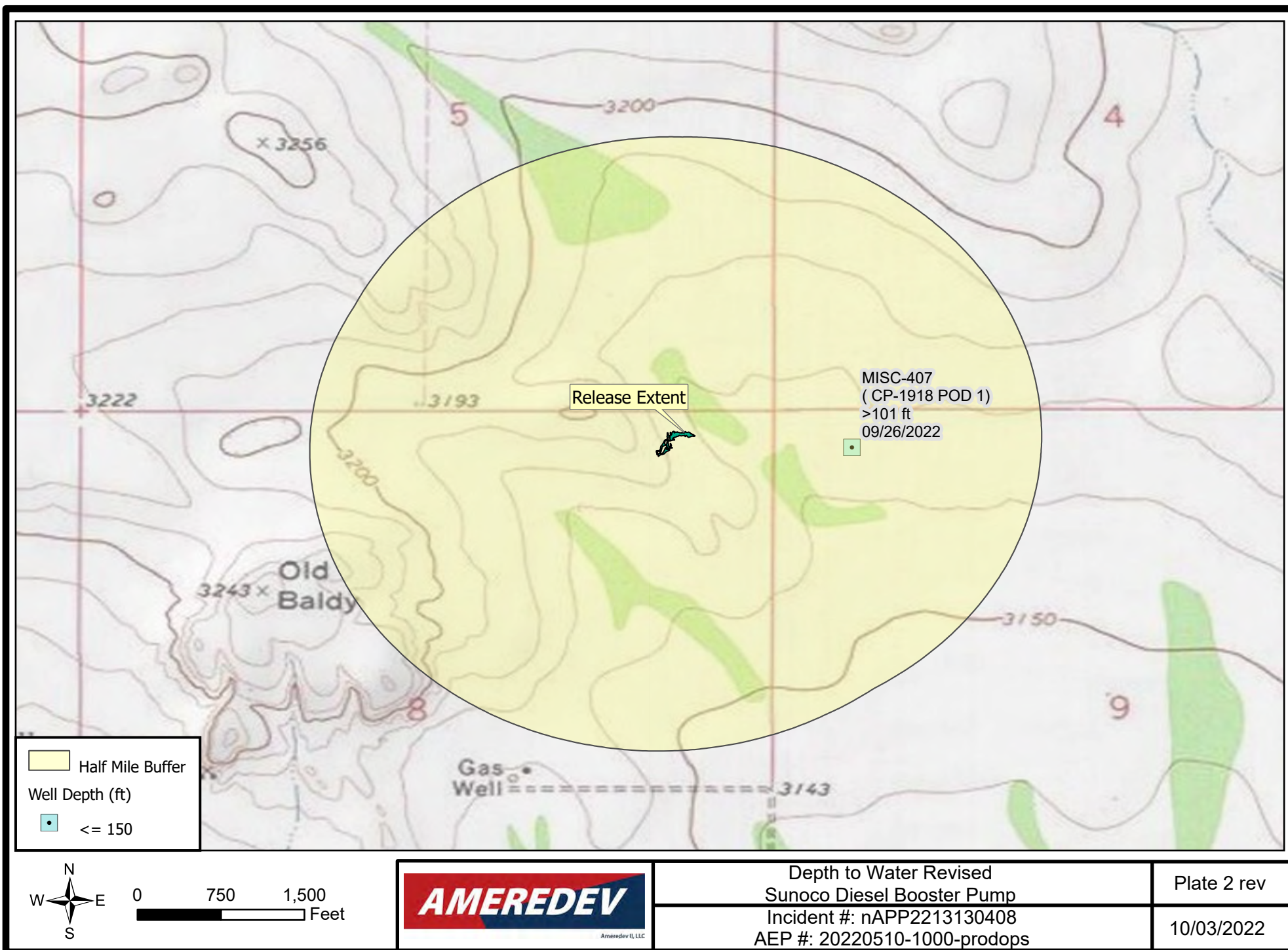
Ameredev II, LLC

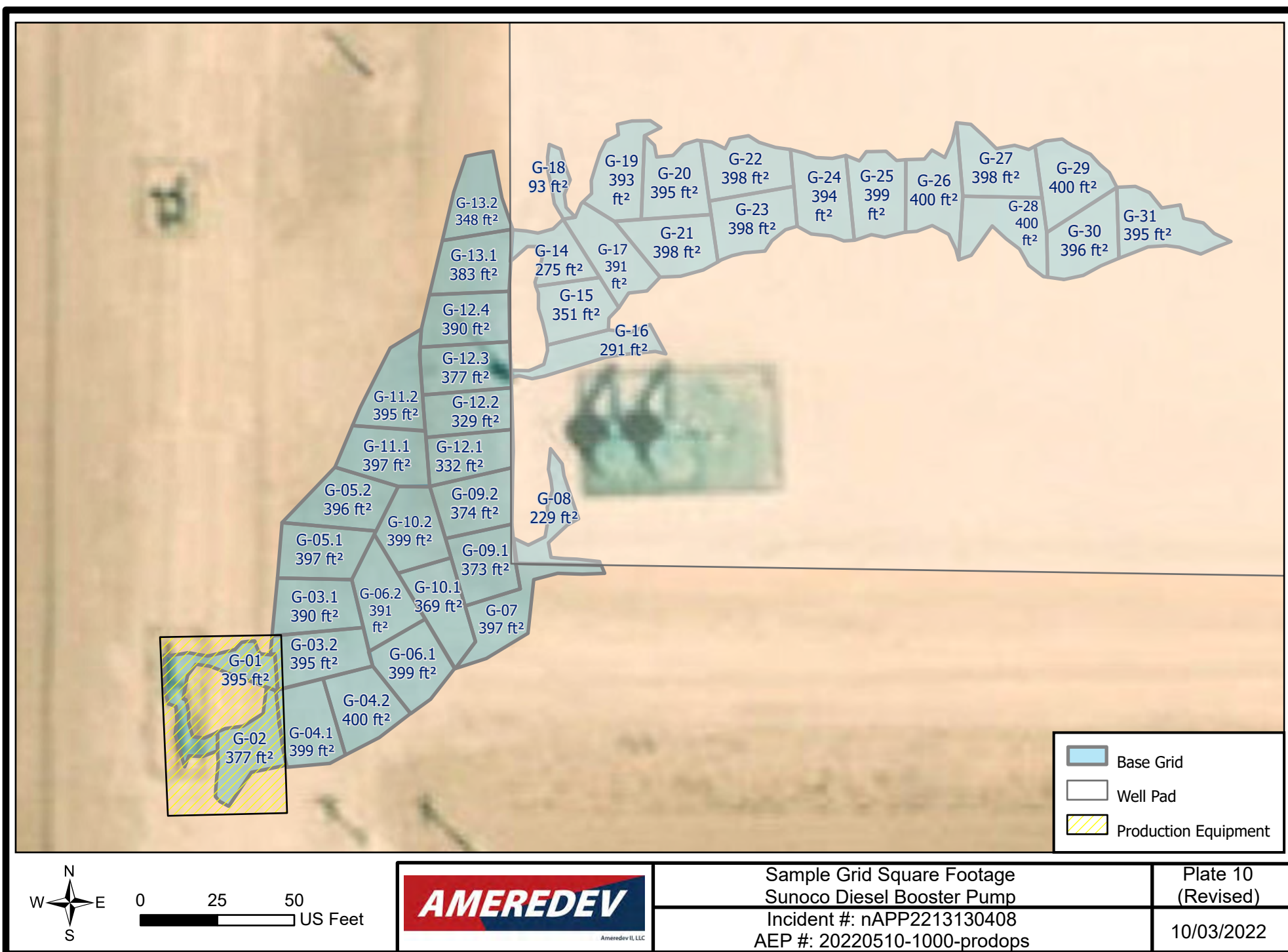
Plates

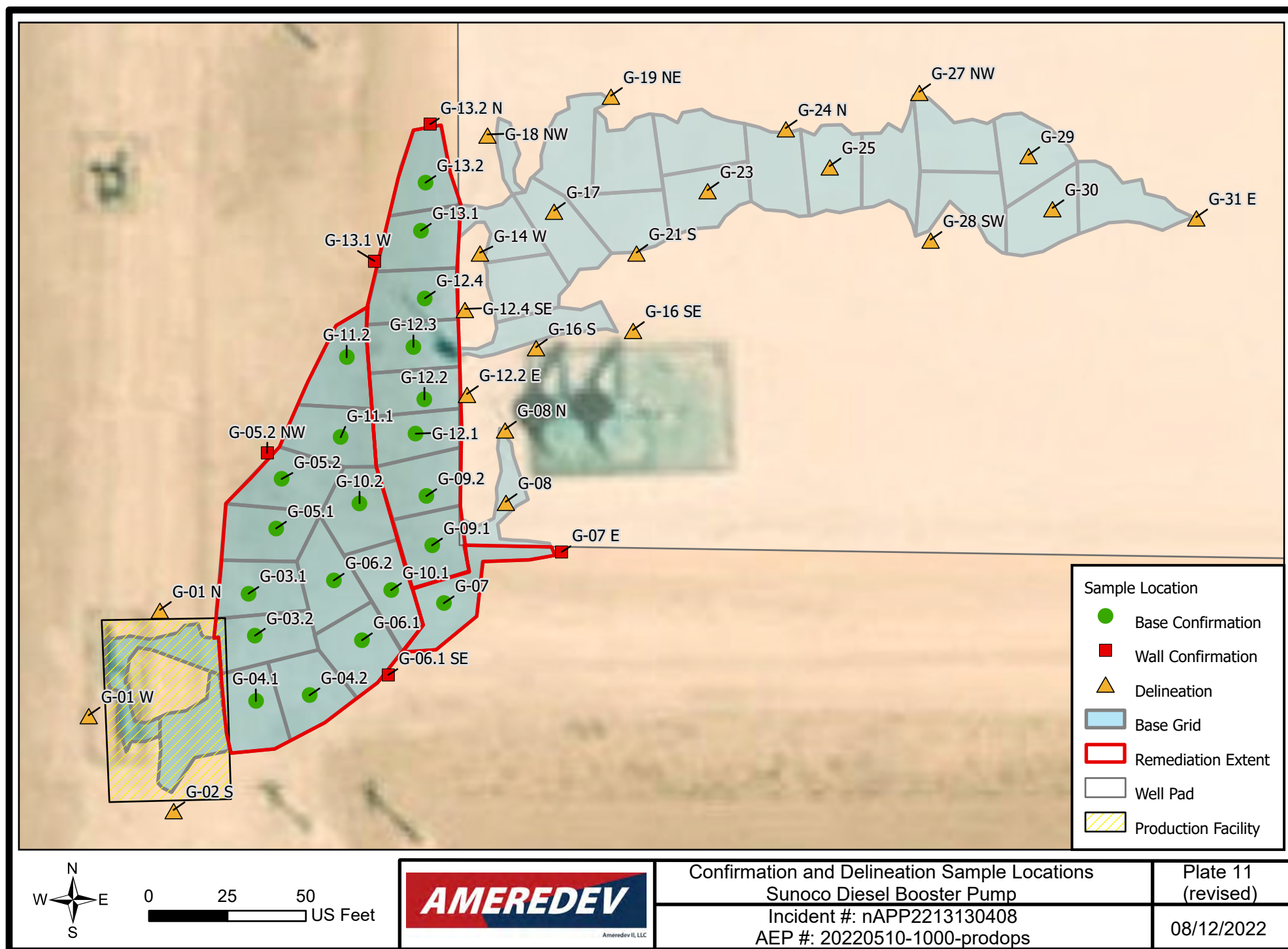


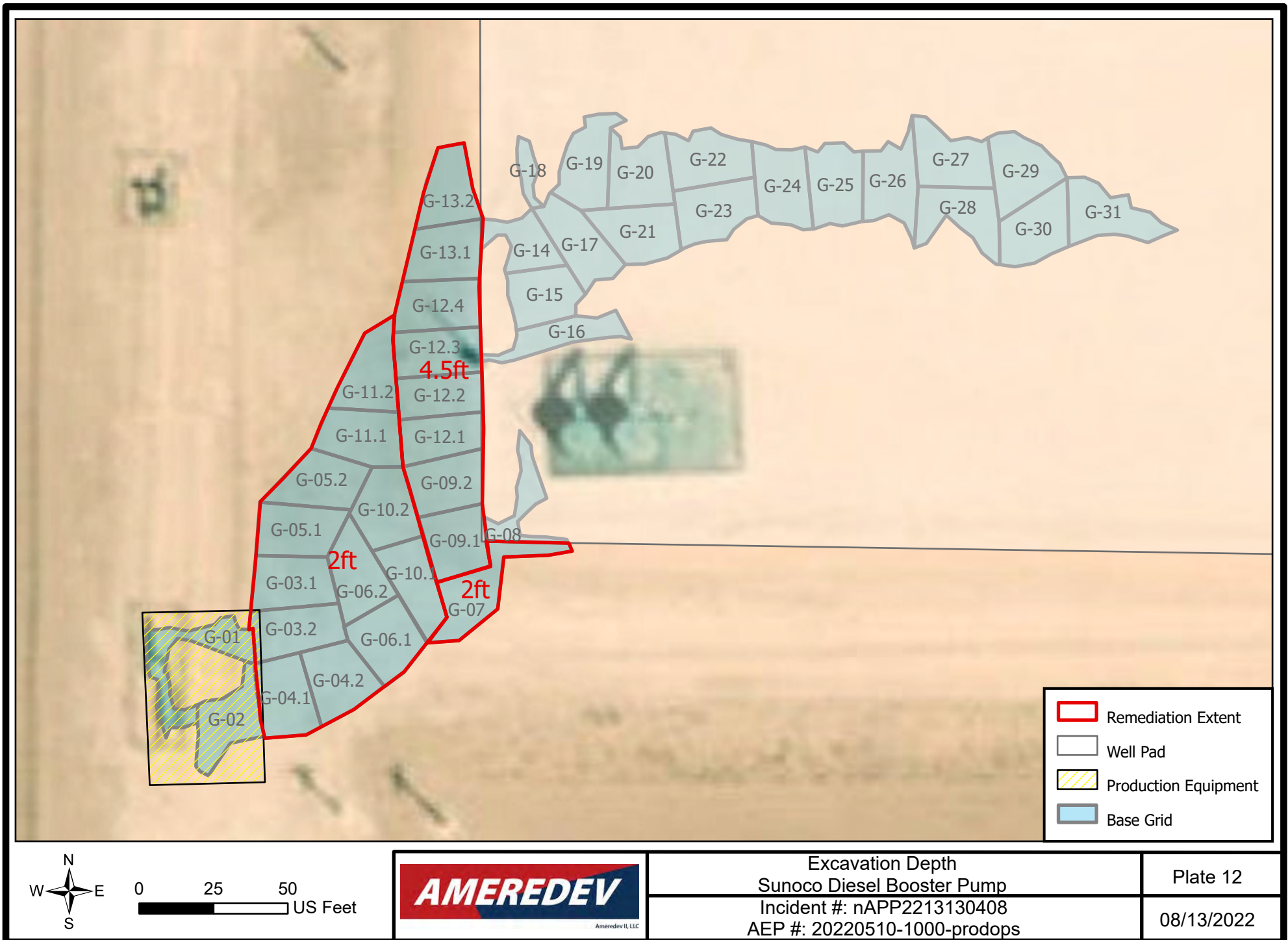
Ameredev II, LLC











Tables



Ameredev II, LLC

Source	Latitude	Longitude
G-01 N	32.15103516	-103.2813603
G-01 W	32.15094305	-103.2814225
G-02 S	32.1508604	-103.2813485
G-03.1	32.1510492	-103.2812831
G-03.2	32.15101256	-103.2812775
G-04.1	32.15095557	-103.2812766
G-04.2	32.15096059	-103.2812299
G-05.1	32.15110607	-103.2812591
G-05.2	32.15114932	-103.2812541
G-05.2 NW	32.15117202	-103.2812667
G-06.1	32.15100868	-103.2811841
G-06.1 SE	32.15097834	-103.281161
G-06.2	32.15106075	-103.2812086
G-07	32.15104094	-103.2811127
G-07 E	32.15108554	-103.2810099
G-08	32.15112942	-103.2810587
G-08 N	32.15119265	-103.2810592
G-09.1	32.15109136	-103.2811229
G-09.2	32.15113445	-103.2811279
G-10.1	32.15105226	-103.2811587
G-10.2	32.15112812	-103.2811861
G-11.1	32.15118583	-103.2812026
G-11.2	32.15125554	-103.2811974
G-12.1	32.15118891	-103.2811372
G-12.2	32.15121874	-103.2811296
G-12.2 E	32.15122352	-103.2810925
G-12.3	32.1512646	-103.2811391
G-12.4	32.151307	-103.2811292
G-12.4 SE	32.15129781	-103.2810941
G-13.1	32.15136608	-103.2811327
G-13.1 W	32.15133942	-103.2811732
G-13.2	32.15140784	-103.2811287
G-13.2 N	32.1514589	-103.2811248
G-14 W	32.15134694	-103.2810811
G-16 S	32.15126434	-103.2810322
G-16 SE	32.15127945	-103.2809477
G-17	32.15138361	-103.2810165
G-18 NW	32.1514501	-103.2810747
G-19 NE	32.15148376	-103.2809668
G-21 S	32.15134694	-103.2809445
G-23	32.15140138	-103.2808825
G-24 N	32.15145556	-103.2808143
G-25	32.15142235	-103.2807761
G-27 NW	32.15148712	-103.2806979
G-28 SW	32.15135816	-103.280688
G-29	32.15143207	-103.2806026
G-30	32.1513858	-103.2805815
G-31 E	32.15137775	-103.2804561

August 17, 2022

Table B
Summary of AnalyticalIncident ID: nAPP2213130408
Sunoco Diesel Booster Pump
AEP #: 20220510-1000-prodops

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria														
0 - 4 feet & "not in-use"							600	--	2,500	10	50			
> 4 ft or "in-use"							20,000	1,000	2,500	10	50			
GS-01 N	8/8/2022		0	2	Horizontal Delineation	ROW	64	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223550
GS-01 W	8/8/2022		0	2	Horizontal Delineation	ROW	64	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223550
GS-02 S	8/8/2022		0	2	Horizontal Delineation	ROW	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223550
G-03.1	7/25/2022	2			Base	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-03.2	7/25/2022	2			Base	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-04.1	7/25/2022	2			Base	ROW	176	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-04.2	7/25/2022	2			Base	ROW	144	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-05.1	7/25/2022	2			Base	ROW	48	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-05.2	7/25/2022	2			Base	ROW	48	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-05.2 NW	7/25/2022		0	2	Wall	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-06.1	7/25/2022	2			Base	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-06.1 SE	7/25/2022		0	2	Wall	ROW	48	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-06.2	7/25/2022	2			Base	ROW	80	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223261
G-07	7/28/2022	2			Base	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-07 E	7/28/2022		0	2	Wall	ROW	48	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-08	8/9/2022		0	2	Vertical Delineation	Pad	2600	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-08	8/9/2022		2	4	Vertical Delineation	Pad	96	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-08	8/9/2022	4.5			Vertical Delineation	Pad	96	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-08 N	8/9/2022		0	2	Horizontal Delineation	Pad	128	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-09.1	7/28/2022	4.5			Base	ROW	7730	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-09.2	7/28/2022	4.5			Base	ROW	7600	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-10.1	7/28/2022	2			Base	ROW	80	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-10.2	7/28/2022	2			Base	ROW	96	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-11.1	7/28/2022	2			Base	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-11.2	7/28/2022	2			Base	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-12.1	7/28/2022	4.5			Base	ROW	3840	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-12.2	7/28/2022	4.5			Base	ROW	320	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-12.2 E	7/28/2022		0	2	Horizontal Delineation	Pad	880	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-12.2 E	7/28/2022		2	4	Horizontal Delineation	Pad	512	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-12.2 E	7/28/2022	4.5			Horizontal Delineation	Pad	144	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-12.3	7/28/2022	4.5			Base	ROW	320	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-12.4	7/28/2022	4.5			Base	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-12.4 SE	7/28/2022		0	2	Horizontal Delineation	Pad	2920	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-12.4 SE	7/28/2022		2	4	Horizontal Delineation	Pad	1040	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-12.4 SE	7/28/2022	4.5			Horizontal Delineation	Pad	32	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223337
G-13.1	7/28/2022	4.5			Base	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.1 W	7/28/2022		0	2	Wall	ROW	16	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.1 W	7/28/2022		2	4	Wall	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.1 W	7/28/2022	4.5			Wall	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.2	7/28/2022	4.5			Base	ROW	<16	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337

August 17, 2022

Table B
Summary of AnalyticalIncident ID: nAPP2213130408
Sunoco Diesel Booster Pump
AEP #: 20220510-1000-prodops

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria														
0 - 4 feet & "not in-use"							600	--	2,500	10	50			
> 4 ft or "in-use"							20,000	1,000	2,500	10	50			
G-13.2 N	7/28/2022		0	2	Wall	ROW	16	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.2 N	7/28/2022		2	4	Wall	ROW	32	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-13.2 N	7/28/2022	4.5			Wall	ROW	64	<20	< 30	<0.05	<0.30	Confirmation	Cardinal	H223337
G-14 W	8/9/2022		0	2	Horizontal Delineation	Pad	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-16 S	8/9/2022		0	2	Horizontal Delineation	Pad	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-16 SE	8/9/2022		0	2	Horizontal Delineation	Pad	96	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223568
G-17	8/9/2022		0	2	Vertical Delineation	Pad	8800	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-17	8/9/2022		2	4	Vertical Delineation	Pad	3280	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-17	8/9/2022	4.5			Vertical Delineation	Pad	1760	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-17	8/9/2022	6.5			Vertical Delineation	Pad	1650	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-17	8/9/2022	7.5			Vertical Delineation	Pad	240	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-18 NW	8/9/2022		0	2	Horizontal Delineation	Pad	64	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-19 NE	8/9/2022		0	2	Horizontal Delineation	Pad	80	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-21 S	8/9/2022		0	2	Horizontal Delineation	Pad	176	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-23	7/22/2022		0	2	Vertical Delineation	Pad	960	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-23	7/22/2022		2	4	Vertical Delineation	Pad	1230	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-23	7/22/2022	4.5			Vertical Delineation	Pad	112	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-24 N	8/9/2022		0	2	Horizontal Delineation	Pad	176	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-25	8/9/2022		0	2	Vertical Delineation	Pad	4120	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-25	8/9/2022		2	4	Vertical Delineation	Pad	160	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-25	8/9/2022	4.5			Vertical Delineation	Pad	352	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-27 NW	7/22/2022		0	2	Horizontal Delineation	Pad	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-27 NW	7/22/2022		2	4	Horizontal Delineation	Pad	64	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-27 NW	7/22/2022	4.5			Horizontal Delineation	Pad	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-28 SW	8/9/2022		0	2	Horizontal Delineation	Pad	112	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
G-29	7/22/2022			0	Vertical Delineation	Pad	656	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-29	7/22/2022			2	Vertical Delineation	Pad	80	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-29	7/22/2022		4.5		Vertical Delineation	Pad	80	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-30	7/22/2022			0	Vertical Delineation	Pad	960	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-30	7/22/2022			2	Vertical Delineation	Pad	80	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-30	7/22/2022		4.5		Vertical Delineation	Pad	32	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223236
G-31 E	8/9/2022		0	2	Horizontal Delineation	Pad	48	<20	< 30	<0.05	<0.30	Delineation	Cardinal	H223567
Backfill 01	8/10/2022						80	<20	< 30	<0.05	<0.30	Backfill	Cardinal	H223611

Appendix A

Communications



Ameredeve II, LLC

Andrew Parker

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, August 30, 2022 8:56 AM
To: Andrew Parker
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] nAPP2213130408 Extension Request Sunoco Diesel Booster

External (jennifer.nobui@state.nm.us)

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Hi Andrew

OCD approves a 60-day extension request to October 28, 2022 to submit a closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, August 30, 2022 8:13 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: Fw: [EXTERNAL] nAPP2213130408 Extension Request Sunoco Diesel Booster

From: Andrew Parker <aparker@ameredev.com>
Sent: Monday, August 29, 2022 1:52 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Laura Parker <lparker@ameredev.com>
Subject: [EXTERNAL] nAPP2213130408 Extension Request Sunoco Diesel Booster

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

NMOCD,

Ameredev Operating respectfully asks for a 60-day extension for Incident nAPP2213130408 so that the depth-to-water determination program can be completed. Ameredev Operating is scheduled to begin a depth-to-water borehole program mid-September 2022:

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

The remediation and closure report will be due no later than October 28, 2022.

Remedial activities performed to date.

Ameredev elected to proceed with excavation of the off-site ROW area to remove impacted material within the release extent to prevent further migration of the constituents of concern. Soil samples were collected from each grid centroid base and along excavation walls for laboratory analysis of Chloride, TPH, Benzene, and BTEX. Excavation of off-site areas occurred until the walls and bases met Closure Criteria per Table 1 of 19.15.29 NMAC, pending depth-to-water determination, where depth to ground water > 100 ft. It is anticipated that the depth-to-water determination program will show that depth-to-water is greater than 100-feet below ground surface.

For areas on the active production site, Ameredev proceeded with sampling for horizontal and vertical delineation of the active production site and around production facilities, to determine release extent and to evaluate constituents of concern. A base sample was collected at the surface and grab sample from a hand auger at specified depths below the base to evaluate the vertical extent of impacted soil. Analysis of constituents of concern showed that all soil samples met Closure Criteria for an active production pad. Therefore, no excavation occurred on the active production pad or immediately surrounding production facilities.

Thank you,

Andrew Parker
Environmental Scientist
970-570-9535



From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, June 21, 2022 10:57 AM
To: Andrew Parker <aparker@ameredev.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Subject: FW: [EXTERNAL] Sample Grid Variance nAPP2213130408

Hi Andrew

OCD will approve a variance for base and wall sample confirmation grid size not to exceed 400 ft². Please include this email in the closure report as well.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, June 21, 2022 8:07 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Fw: [EXTERNAL] Sample Grid Variance nAPP2213130408

From: Andrew Parker <aparker@ameredev.com>
Sent: Monday, June 20, 2022 3:49 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Jacob Saenz <JSaenz@ameredev.com>; Jesus Palomares <jpalomares@ameredev.com>; Dayeed Khan <dkhan@ameredev.com>
Subject: [EXTERNAL] Sample Grid Variance nAPP2213130408

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

NMOCD,

Ameredev Operating respectfully asks NMOCD for variance approval for a base and wall sample confirmation grid size not to exceed 500 sq. ft. The attached variance request provides supporting documentation.

We are currently remediating an adjacent release (Incident nAPP2205943754), commonly known as the Sunoco Gas Pad. During remediation activities at Sunoco Gas Pad, we plan on remediating this subject release. Therefore, we ask approval of this variance in advance of submitting characterization and remediation plan for subject release.

Incident: nAPP2213130408
AEP #: 20220510-1000-prodops
Location: Sunoco Diesel Booster Pump

Thank you,

Andrew Parker
Environmental Scientist
(970) 570-9535



nAPP2213130408 48 hour sampling notice

Andrew Parker <aparker@ameredev.com>

Wed 7/20/2022 11:01 AM

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

Cc: Laura Parker <lparker@ameredev.com>; Jesus Palomares <jpalomares@ameredev.com>

NMOCD,

Please accept this email as the 48 hour confirmation sampling notice per 19.15.29 NMAC for the following incident:

Incident #: nAPP2213130408

Location: Sunoco Diesel Booster Pump

AEP#: 20220510-1000-prodops

Confirmation sampling is scheduled to commence on July 22nd. Ameredev elected to begin remediation during the excavation work for Incident # nAPP2205943754 at the Sunoco Gas Pad.

Furthermore, to resolve the denial for depth-to-water determination 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.

Thank you.

Andrew Parker
Environmental Scientist
970-570-9535



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

Sent: Tuesday, July 19, 2022 8:37 AM

To: Andrew Parker <aparker@ameredev.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 123794

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#) nAPP2213130408, 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. Delineation and lab data absent from report and is required per 19.15.29.12C(1)a NMAC. Please submit a revised Remediation Plan by August 19, 2022.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 123794.

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
505-470-3407
Jennifer.Nobui@state.nm.us

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

Andrew Parker

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, June 21, 2022 11:57 AM
To: Andrew Parker
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; Billings, Bradford, EMNRD
Subject: FW: [EXTERNAL] Sample Grid Variance nAPP2213130408
Attachments: Sample Grid Request nAPP2213130408.pdf

External (jennifer.nobui@state.nm.us)

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

Hi Andrew

OCD will approve a variance for base and wall sample confirmation grid size not to exceed 400 ft². Please include this email in the closure report as well.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, June 21, 2022 8:07 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Fw: [EXTERNAL] Sample Grid Variance nAPP2213130408

From: Andrew Parker <aparker@ameredev.com>
Sent: Monday, June 20, 2022 3:49 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Jacob Saenz <JSaenz@ameredev.com>; Jesus Palomares <jpalomares@ameredev.com>; Dayeed Khan <dkhan@ameredev.com>
Subject: [EXTERNAL] Sample Grid Variance nAPP2213130408

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

NMOCD,

Ameredev Operating respectfully asks NMOCD for variance approval for a base and wall sample confirmation grid size not to exceed 500 sq. ft. The attached variance request provides supporting documentation.

We are currently remediating an adjacent release (Incident nAPP2205943754), commonly known as the Sunoco Gas Pad. During remediation activities at Sunoco Gas Pad, we plan on remediating this subject release. Therefore, we ask approval of this variance in advance of submitting characterization and remediation plan for subject release.

Incident: nAPP2213130408
AEP #: 20220510-1000-prodops
Location: Sunoco Diesel Booster Pump

Thank you,

Andrew Parker
Environmental Scientist
(970) 570-9535



Appendix B

Well Logs



Ameredeve 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 2nd 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

OSE DTI SEP 30 2022 AM 10:53



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	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 32	MINUTES 9	SECONDS 3.94	N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	16	35.73	W	• DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NW NW Sec.9 T25S R36S NMPM								
2. DRILLING & CASING INFORMATION	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) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 101		±6.25"	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

USE ON SEP 30 2022 am 10:50

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

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	9	9	Caliche and fine-grained sand, Brown	Y ✓ N		
	9	90	81	Sand, fine-grained, poorly graded, with caliche, Pinkish Tan	Y ✓ N		
	90	100	10	Sand, fine-grained, poorly graded, Brown	Y ✓ N		
	100	101	1	Sand, fine-grained, poorly graded, ,Reddish Brown	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. DTW-04							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 9/29/2022						
SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE		

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 2 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):

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- 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	

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

III. SIGNATURE:

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

Jack Atkins

Signature of Well Driller

9/29/2022

Date

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

Final Audit Report

2022-09-29

Created:	2022-09-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAGR3XzjVMYSnap66fsach81rXkMna7Bg

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



Document created by Lucas Middleton (lucas@atkinseng.com)

2022-09-29 - 9:19:37 PM GMT- IP address: 64.17.71.25



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2022-09-29 - 9:21:09 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2022-09-29 - 9:22:24 PM GMT- IP address: 64.90.153.232



Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2022-09-29 - 9:23:19 PM GMT - Time Source: server- IP address: 64.90.153.232



Agreement completed.

2022-09-29 - 9:23:19 PM GMT

USE DJT SEP 30 2022 AM 10:59



Adobe Acrobat Sign

Appendix C

Certificates of Analysis



Ameredev II, LLC



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

July 28, 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 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.

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:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 23 0-2' BOOSTER (H223236-01)

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	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/26/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.29	105	6.00	1.22		
Total BTEX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	960	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 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:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 23 2-4' BOOSTER (H223236-02)

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	1.94	97.2	2.00	0.932	
Toluene*	<0.050	0.050	07/26/2022	ND	2.07	103	2.00	2.76	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.01	101	2.00	0.988	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.29	105	6.00	1.22	
Total BTEX	<0.300	0.300	07/26/2022	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	1230	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 113 % 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
Reported: 07/28/2022
Project Name: SUNOCO
Project Number: 20220510-1000-PRODOPS
Project Location: NONE GIVEN

Sampling Date: 07/22/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: G - 23 4.5' BOOSTER (H223236-03)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEx	<0.300	0.300	07/27/2022	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	112	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 105 % 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



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:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 27NW 0-2' BOOSTER (H223236-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2022	ND	1.94	97.2	2.00	0.932	
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22	
Total BTX	<0.300	0.300	07/27/2022	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	48.0	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 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:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 27NW 2-4' BOOSTER (H223236-05)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEx	<0.300	0.300	07/27/2022	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	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.9 % 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: 07/22/2022
 Reported: 07/28/2022
 Project Name: SUNOCO
 Project Number: 20220510-1000-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: G - 27NW 4.5' BOOSTER (H223236-06)

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	07/27/2022	ND	1.94	97.2	2.00	0.932	
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22	
Total BTEx	<0.300	0.300	07/27/2022	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	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 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:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 29 0-2' BOOSTER (H223236-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTX	<0.300	0.300	07/27/2022	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	656	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: SUNOCO
 Project Number: 20220510-1000-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: G - 29 2-4' BOOSTER (H223236-08)

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	07/27/2022	ND	1.94	97.2	2.00	0.932	
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22	
Total BTEX	<0.300	0.300	07/27/2022	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	80.0	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 118 % 43-149

Surrogate: 1-Chlorooctadecane 128 % 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:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 29 4.5' BOOSTER (H223236-09)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEx	<0.300	0.300	07/27/2022	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	80.0	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 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:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 30 0-2' BOOSTER (H223236-10)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEX	<0.300	0.300	07/27/2022	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	960	16.0	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 108 % 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:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/28/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G - 30 2-4' BOOSTER (H223236-11)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEx	<0.300	0.300	07/27/2022	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	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 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
Reported: 07/28/2022
Project Name: SUNOCO
Project Number: 20220510-1000-PRODOPS
Project Location: NONE GIVEN

Sampling Date: 07/22/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: G - 30 4.5' BOOSTER (H223236-12)

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	07/27/2022	ND	1.94	97.2	2.00	0.932		
Toluene*	<0.050	0.050	07/27/2022	ND	2.07	103	2.00	2.76		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.01	101	2.00	0.988		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.29	105	6.00	1.22		
Total BTEx	<0.300	0.300	07/27/2022	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	07/27/2022	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	07/26/2022	ND	193	96.5	200	25.9	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	165	82.4	200	25.7	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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.
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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A handwritten signature in black ink, appearing to read "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>Amerder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220510-1000-Prodops</u> Project Location: <u>Sumco Diesel Booster Pump</u> Sampler Name: <u>Jesus Palomares</u> FOR LAB USE ONLY				BILL TO P.O. #: <u>20220510-1000-Prodops</u> Company: <u>Amerder</u> Attn: <u>aparker@amerder.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST							
Lab I.D.		Sample I.D.		(G)RAS OR (C)OMP.		# CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : _____		PRESERV. ACID/BASE: ICE / COOL OTHER : _____		SAMPLING			
HG23230 1-23 2-23 3-23 4-23 5-23 6-23 7-23 8-23 9-23 10-23		0-2ft Booster 2-4ft Booster 4-5ft Booster 0-2ft Booster 2-4ft Booster 4-5ft Booster 0-2ft Booster 2-4ft Booster 4-5ft Booster 0-2ft Booster		G 1 1 1 1 1 1 1 1 1 1		SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL		DATE 07-22 07-22 07-22 07-22 07-22 07-22 07-22 07-22 07-22 07-22		TIME 9:42 9:47 9:50 10:15 10:21 10:23 10:42 10:47 10:51 10:53		Chloride TPH (Gro + Dro + Mo) 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: <u>[Signature]</u> Date: <u>7-22-22</u> Time: <u>1:30</u> Received By: <u>[Signature]</u> Date: _____ Time: _____ Relinquished By: _____ Date: _____ Time: _____				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____				REMARKS: <u>Trip Blank 4.9°C C.O.I.C 4.3°C</u>							
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Observed Temp. °C <u>5.6</u> Corrected Temp. °C <u>5.0</u> Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 <u>72.7/22/22</u> Correction Factor -0.5°C <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temp. °C _____				Turnaround Time: _____ Thermometer ID #113 _____ Correction Factor -0.5°C _____ Corrected Temp. °C _____							

† Cardinal cannot accept verbal changes. Please email changes to caley.keehe@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 29, 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 07/25/22 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.

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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 03.1 2' BOOSTER (H223261-01)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEX	<0.300	0.300	07/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	64.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 43-149

Surrogate: 1-Chlorooctadecane 87.5 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 03.2 2' BOOSTER (H223261-02)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEX	<0.300	0.300	07/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 04.1 2' BOOSTER (H223261-03)

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	07/27/2022	ND	2.07	104	2.00	7.67	
Toluene*	0.071	0.050	07/27/2022	ND	2.12	106	2.00	8.30	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89	
Total BTEx	<0.300	0.300	07/27/2022	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	176	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 04.2 2' BOOSTER (H223261-04)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEX	<0.300	0.300	07/27/2022	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	144	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11		
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1		
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND						

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 05.1 2' BOOSTER (H223261-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2022	ND	2.07	104	2.00	7.67	
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89	
Total BTX	<0.300	0.300	07/27/2022	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	48.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 70.6 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 05.2 2' BOOSTER (H223261-06)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEX	<0.300	0.300	07/27/2022	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	48.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11		
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1		
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND						

Surrogate: 1-Chlorooctane 53.7 % 43-149

Surrogate: 1-Chlorooctadecane 63.2 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 06.1 2' BOOSTER (H223261-07)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEx	<0.300	0.300	07/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 43-149

Surrogate: 1-Chlorooctadecane 74.0 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 06.2 2' BOOSTER (H223261-08)

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	07/27/2022	ND	2.07	104	2.00	7.67		
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89		
Total BTEX	<0.300	0.300	07/27/2022	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	80.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 05.2 NW 0-2' BOOSTER (H223261-09)

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	07/27/2022	ND	2.07	104	2.00	7.67	
Toluene*	<0.050	0.050	07/27/2022	ND	2.12	106	2.00	8.30	
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.13	107	2.00	7.02	
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.52	109	6.00	6.89	
Total BTEx	<0.300	0.300	07/27/2022	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	64.0	16.0	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 61.5 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 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:	07/25/2022	Sampling Date:	07/25/2022
Reported:	07/29/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 06.1 SE 0-2' BOOSTER (H223261-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2022	ND	1.96	97.9	2.00	0.981		
Toluene*	<0.050	0.050	07/27/2022	ND	2.18	109	2.00	4.85		
Ethylbenzene*	<0.050	0.050	07/27/2022	ND	2.08	104	2.00	2.29		
Total Xylenes*	<0.150	0.150	07/27/2022	ND	6.48	108	6.00	2.13		
Total BTX	<0.300	0.300	07/27/2022	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	07/28/2022	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	07/27/2022	ND	188	93.8	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	188	93.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 74.7 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

	FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE OTHER :	PRESERV. ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL OTHER :	SAMPLING DATE TIME	ANALYSIS	
H0238461			G-03.1	2ft	Booster	<input checked="" type="checkbox"/>		07-25	8:30	✓ Chloride
a			G-03.2	2ft	Booster				8:25	✓ TPH (Gr)
3			G-04.1	2ft	Booster				8:32	✓ BTEX (Be
4			G-04.2	2ft	Booster				8:41	
5			G-05.1	2ft	Booster				8:47	
6			G-05.2	2ft	Booster				8:56	
7			G-06.1	2ft	Booster				9:15	
8			G-06.2	2ft	Booster				9:22	
9			G-05.2 NW	0-2ft	Booster				9:32	
10			G-06.1 SE	0-2ft	Booster					

REMARKS: 1000 Blank = 7.8°C C-0.6°C 7.2°C

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



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

August 01, 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 07/28/22 15:14.

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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 07 2' BOOSTER (H223337-01)

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	07/30/2022	ND	1.99	99.6	2.00	9.21		
Toluene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	10.1		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.15	108	2.00	10.1		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.54	109	6.00	10.2		
Total BTEX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	32.0	16.0	08/01/2022	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	07/29/2022	ND	221	110	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	233	116	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 07E 0-2' BOOSTER (H223337-02)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	08/01/2022	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	07/29/2022	ND	221	110	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	233	116	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 09.1 4.5' BOOSTER (H223337-03)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/29/2022	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	7730	16.0	08/01/2022	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	07/29/2022	ND	221	110	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	233	116	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 09.2 4.5' BOOSTER (H223337-04)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/29/2022	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	7600	16.0	08/01/2022	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	07/29/2022	ND	221	110	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	233	116	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 43-149

Surrogate: 1-Chlorooctadecane 92.3 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 10.1 2' BOOSTER (H223337-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTX	<0.300	0.300	07/29/2022	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	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.9 % 42.5-161

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Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 10.2 2' BOOSTER (H223337-06)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEx	<0.300	0.300	07/29/2022	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	96.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 43-149

Surrogate: 1-Chlorooctadecane 77.2 % 42.5-161

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Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 11.1 2' BOOSTER (H223337-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTX	<0.300	0.300	07/29/2022	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	64.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.4 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 11.2 2' BOOSTER (H223337-08)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEx	<0.300	0.300	07/29/2022	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	32.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.2 % 42.5-161

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Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.1 4.5' BOOSTER (H223337-09)

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	07/29/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/29/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/29/2022	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	3840	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 73.5 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.2 4.5' BOOSTER (H223337-10)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	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	
Chloride	320	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.8 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.2E 0-2' BOOSTER (H223337-11)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	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	880	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.5 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.2E 2-4' BOOSTER (H223337-12)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	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	512	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 43-149

Surrogate: 1-Chlorooctadecane 71.0 % 42.5-161

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Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.2E 4.5' BOOSTER (H223337-13)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	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	144	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 75.7 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.3 4.5' BOOSTER (H223337-14)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEx	<0.300	0.300	07/30/2022	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	320	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 65.4 % 43-149

Surrogate: 1-Chlorooctadecane 69.2 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.4 4.5' BOOSTER (H223337-15)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	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	64.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 68.8 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.4SE 0-2' BOOSTER (H223337-16)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2920	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 43-149

Surrogate: 1-Chlorooctadecane 73.3 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.4SE 2-4' BOOSTER (H223337-17)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEx	<0.300	0.300	07/30/2022	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	1040	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 43-149

Surrogate: 1-Chlorooctadecane 79.9 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 12.4SE 4.5' BOOSTER (H223337-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTX	<0.300	0.300	07/30/2022	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	32.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.1 4.5' BOOSTER (H223337-19)

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	07/30/2022	ND	1.91	95.6	2.00	1.72	
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928	
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28	
Total BTEX	<0.300	0.300	07/30/2022	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	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.1W 0-2' BOOSTER (H223337-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTX	<0.300	0.300	07/30/2022	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	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 43-149

Surrogate: 1-Chlorooctadecane 78.5 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.1W 2-4' BOOSTER (H223337-21)

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	07/30/2022	ND	1.91	95.6	2.00	1.72		
Toluene*	<0.050	0.050	07/30/2022	ND	2.10	105	2.00	0.928		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.09	105	2.00	2.24		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.63	110	6.00	2.28		
Total BTEx	<0.300	0.300	07/30/2022	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	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 70.1 % 43-149

Surrogate: 1-Chlorooctadecane 73.2 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.1W 4.5' BOOSTER (H223337-22)

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	07/30/2022	ND	1.97	98.6	2.00	14.9		
Toluene*	<0.050	0.050	07/30/2022	ND	2.15	107	2.00	14.2		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.13	107	2.00	13.4		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.76	113	6.00	14.8		
Total BTEX	<0.300	0.300	07/30/2022	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	64.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.2 4.5' BOOSTER (H223337-23)

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	07/30/2022	ND	1.97	98.6	2.00	14.9		
Toluene*	<0.050	0.050	07/30/2022	ND	2.15	107	2.00	14.2		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.13	107	2.00	13.4		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.76	113	6.00	14.8		
Total BTEX	<0.300	0.300	07/30/2022	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	<16.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 43-149

Surrogate: 1-Chlorooctadecane 73.7 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.2N 0-2' BOOSTER (H223337-24)

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	07/30/2022	ND	1.97	98.6	2.00	14.9		
Toluene*	<0.050	0.050	07/30/2022	ND	2.15	107	2.00	14.2		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.13	107	2.00	13.4		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.76	113	6.00	14.8		
Total BTEX	<0.300	0.300	07/30/2022	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	16.0	16.0	08/01/2022	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	07/29/2022	ND	219	110	200	4.82	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	223	111	200	0.823	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.2 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.2N 2-4' BOOSTER (H223337-25)

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	07/30/2022	ND	1.97	98.6	2.00	14.9		
Toluene*	<0.050	0.050	07/30/2022	ND	2.15	107	2.00	14.2		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.13	107	2.00	13.4		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.76	113	6.00	14.8		
Total BTEx	<0.300	0.300	07/30/2022	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	08/01/2022	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	07/29/2022	ND	200	99.9	200	2.13	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	214	107	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 43-149

Surrogate: 1-Chlorooctadecane 83.6 % 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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 13.2N 4.5' BOOSTER (H223337-26)

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	07/30/2022	ND	1.97	98.6	2.00	14.9		
Toluene*	<0.050	0.050	07/30/2022	ND	2.15	107	2.00	14.2		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	2.13	107	2.00	13.4		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.76	113	6.00	14.8		
Total BTEX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/01/2022	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	07/29/2022	ND	200	99.9	200	2.13	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	214	107	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 43-149

Surrogate: 1-Chlorooctadecane 80.2 % 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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A handwritten signature in black ink, appearing to read "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: Ameredevel		P.O. #: 20220510-1000-prodops									
Project Manager: Andrew Parker		Company: Ameredevel									
Address: On File		Attn: a.parker@ameredevel.com									
City:		State:									
Phone #:		Fax #:									
Project #:		Project Owner:									
Project Name: 20220510-1000-prodops		City:									
Project Location: Sunoco Diesel Booster Pump		State:									
Sampler Name: Jesus Palomares		Phone #:									
FOR LAB USE ONLY		Fax #:									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (Gro + Dro + Mro)	BTEX (Benzene)
HA03337											
1	G-07 2ft Booster	(G)RAB OR (C)OMP.	1	GROUNDWATER			07-28	08:12	✓	✓	✓
2	G-07E 0-2ft Booster			WASTEWATER				08:17	✓	✓	✓
3	G-09.1 4.5ft Booster			SOIL				08:23	✓	✓	✓
4	G-09.2 4.5ft Booster			OIL				08:30	✓	✓	✓
5	G-10.1 2ft Booster			SLUDGE				08:35	✓	✓	✓
6	G-10.2 2ft Booster			OTHER :				08:39	✓	✓	✓
7	G-11.1 2ft Booster			ACID/BASE:				08:42	✓	✓	✓
8	G-11.2 2ft Booster			ICE / COOL				08:47	✓	✓	✓
9	G-12.1 4.5ft Booster			OTHER :				09:00	✓	✓	✓
10	G-12.2 4.5ft Booster								✓	✓	✓

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Relinquished By: Jm Palomares		Date: 7/28/22	Received By: Stoddig
Relinquished By:		Date:	Received By:
		Time: 1514	
		Time:	

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:
 Observed Temp. °C: **4.9°C**
 Corrected Temp. °C: **4.3°C**
 Sample Condition: Cool Intact
☒ Yes ☐ No
 Checked BY: **[Signature]**
 Turnaround Time: Standard **Rush**
 Thermometer ID #113
 Correction Factor: -0.5°C - 0.0°C
 Bacteria (only) Sample Condition: Cool Intact
☒ Yes ☐ No
 Observed Temp. °C: **Temp Blank: 3.4°C**
 Corrected Temp. °C:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerder</u>		P.O. #: <u>20220510-1000-prodops</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Andrew Parker</u>		Company: <u>Amerder</u>					
Address: <u>On File</u>		Attn: <u>aparker@amerder.com</u>					
City: _____		Address: _____					
State: _____		City: _____					
Zip: _____		State: _____					
Phone #: _____		Zip: _____					
Fax #: _____		Phone #: _____					
Project #: _____		Fax #: _____					
Project Name: <u>20220510-1000-prodops</u>							
Project Location: <u>Sumas Diesel Booster pump</u>							
Sampler Name: <u>Jesus Palomares</u>							

FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL
#2033337	G-12.2E 0-2H Booster	G	1				
11	G-12.2E 2-4H Booster						
12	G-12.2E 4-5H Booster						
13	G-12.2E 4-5H Booster						
14	G-12.2 4-5H Booster						
15	G-12.4 4-5H Booster						
16	G-12.4 0-2H Booster						
17	G-12.4 2-4H Booster						
18	G-12.4 4-5H Booster						
19	G-13.1 4-5H Booster						
20	G-13.1 0-2H Booster						

DATE	TIME	Chloride	TPH (Gro + Dro + Mro)	BTEX (Benzene)
07-28	9:12			
	9:18			
	9:21			
	9:32			
	9:41			
	9:48			
	9:52			
	9:57			
	10:03			
	10:11			

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Relinquished By: <u>Jim Palmer</u>	Received By: <u>Shediqua</u>
Date: <u>7/28/22</u>	Date: <u>7/28/22</u>
Time: <u>1514</u>	Time: <u>1514</u>
Date: _____	Date: _____
Time: _____	Time: _____
Received By: _____	Received By: _____
Remarks: <u>Temp Blank: 3.42</u>	

Delivered By: (Circle One)	Observed Temp. °C: <u>4.9</u>	Sample Condition	CHECKED BY: <u>(Initials)</u>	Turnaround Time: _____
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <u>4.30</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/>
				Cool <input type="checkbox"/> Intact <input type="checkbox"/>
				Yes <input type="checkbox"/> No <input type="checkbox"/>
				Corrected Temp. °C: _____

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



ANALYSIS REQUEST

FOR LAB USE ONLY		Lab I.D.		Sample I.D.		Matrix		Preserv.		Sampling			
21	G-13.1W	2-4ft	Booster	G-1	GROUNDWATER	✓	SOIL	✓	ACID/BASE:	07-28	DATE	✓	Chloride
22	G-13.1W	4.5ft	Booster	✓	WASTEWATER	✓	OIL	✓	ICE / COOL		TIME	✓	TPH (Gro
23	G-13.2	4.5ft	Booster	✓	SLUDGE	✓	OTHER :	✓	OTHER :			✓	BTEX (Ben
24	G-13.2N	0-2ft	Booster	✓	OTHER :	✓	DATE	✓	TIME			✓	
25	G-13.2N	2-4ft	Booster	✓	OTHER :	✓	DATE	✓	TIME			✓	
26	G-13.2N	4.5ft	Booster	✓	OTHER :	✓	DATE	✓	TIME			✓	

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



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

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 08/08/22 16:48.

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.

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:	08/08/2022	Sampling Date:	08/08/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	SUNOCO PAD		

Sample ID: GS - 01 N 0-2' (H223550-01)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	08/10/2022	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	08/10/2022	ND	202	101	200	10.5	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	201	100	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 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: 08/08/2022
 Reported: 08/12/2022
 Project Name: SUNOCO
 Project Number: 20220510-1000-PRODOPS
 Project Location: SUNOCO PAD

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 01 W 0-2' (H223550-02)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 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	08/10/2022	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	08/10/2022	ND	202	101	200	10.5	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	201	100	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 80.1 % 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: 08/08/2022
 Reported: 08/12/2022
 Project Name: SUNOCO
 Project Number: 20220510-1000-PRODOPS
 Project Location: SUNOCO PAD

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 02 S 0-2' (H223550-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.91	95.3	2.00	2.50	
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 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	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	08/10/2022	ND	202	101	200	10.5	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	201	100	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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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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A handwritten signature in black ink, appearing to read "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

Company Name: Amcredev		BILL TO		ANALYSIS REQUEST									
Project Manager: Andrew Parker		P.O. #: 20220519-1000-102495											
Address: On-File		Company: AEP											
City:		Attn: Send to											
Phone #:		Address: aparker@											
Project #:		City: amcredev.com											
Project Name: 20220519-1000-102495		State:		Zip:									
Project Location: Sandoz		Phone #:											
Sampler Name: Jacob Saenz		Fax #:											
<small>FOR LAB USE ONLY</small>													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL					
								OTHER :					
								DATE		TIME			
11023550		GS-01N		0-2FT		C		8/8/22		9m		X	
2		GS-01W		0-2FT		C		4:30m		10:30m		X	
3		GS-02S		0-2FT		C						X	
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' 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 causes 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. Acceptance of whether such claim is barred upon any of the above stated reasons or otherwise.</small>													
Relinquished By:		Date: 8/8/22		Received By:		Date: 8/8/22		Time: 11:48		Signature:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		Date:		Time:		Signature:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One)		512 C.O. 02		Sample Condition		Checked By:		Initials:					
Sampler - UPS - Bus - Other:		452 #113		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

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



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

August 16, 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 08/09/22 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.

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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 08 0-2' BOOSTER (H223567-01)

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	08/10/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 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	2600	16.0	08/11/2022	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	08/11/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 08 2-4' BOOSTER (H223567-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	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	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

Cardinal Laboratories

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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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 08 4.5' BOOSTER (H223567-03)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	96.0	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	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 08 N. 0-2' BOOSTER (H223567-04)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 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	128	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 79.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 14 W. 0-2' BOOSTER (H223567-05)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	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 84.6 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 16 S. 0-2' BOOSTER (H223567-06)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	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 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 17 0-2' BOOSTER (H223567-07)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	8880	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 79.4 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 17 2-4' BOOSTER (H223567-08)

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	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	3280	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 77.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 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:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 17 4.5' BOOSTER (H223567-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	1760	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 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 17 6.5' BOOSTER (H223567-10)

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	08/11/2022	ND	1.81	90.6	2.00	6.68	QM-07, QR-03
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) 97.8 % 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	1650	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 68.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.8 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 17 7.5' BOOSTER (H223567-11)

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	08/11/2022	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) 98.9 % 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	240	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 66.7 % 43-149

Surrogate: 1-Chlorooctadecane 77.2 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 18 NW 0-2' BOOSTER (H223567-12)

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	08/11/2022	ND	1.81	90.6	2.00	6.68		
Toluene*	0.061	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) 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	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 66.6 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 19 NE 0-2' BOOSTER (H223567-13)

BTX 8021B		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 BTX	<0.300	0.300	08/11/2022	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	80.0	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 71.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 21 S 0-2' BOOSTER (H223567-14)

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	08/11/2022	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) 96.9 % 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	176	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 68.1 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 24 N 0-2' BOOSTER (H223567-15)

BTX 8021B		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 BTX	<0.300	0.300	08/11/2022	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	176	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 70.0 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 25 0-2' BOOSTER (H223567-16)

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	08/11/2022	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, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	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*	52.7	10.0	08/10/2022	ND	204	102	200	2.86	
EXT DRO >C28-C36	13.9	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 25 2-4' BOOSTER (H223567-17)

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	08/11/2022	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) 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	160	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 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.9 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 25 4.5' BOOSTER (H223567-18)

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	08/11/2022	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) 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	352	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 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 28 SW 0-2' BOOSTER (H223567-19)

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	08/11/2022	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) 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	112	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 70.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.6 % 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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 31 E 0-2' BOOSTER (H223567-20)

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	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) 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	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	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 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 89.2 % 42.5-161

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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-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

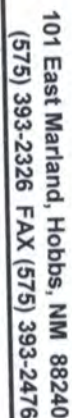
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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 23 of 24



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerceder</u>		P.O. #: <u>20020510-1000-Prelops</u>	
Project Manager: <u>Andrew Parker</u>		Company: <u>Amerceder</u>	
Address: <u>On-File</u>		Attn: <u>aparker@amerceder.com</u>	
City:	State:	Zip:	Address:
Phone #:	Fax #:	City:	State:
Project #:	Project Owner:	Zip:	Phone #:
Project Name: <u>20020510-1000-Prelops</u>		Fax #:	
Project Location: <u>Sunoco Diesel Booster Pump</u>			
Sampler Name: <u>Jesus Palomares</u>			

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:	ICE / COOL	OTHER :	Chloride
11	G-17	7.5ft Booster	9								08-09	9:22			
12	G-18NW	0-2ft Booster	1								9:31	9:31			
13	G-19WE	0-2ft Booster	1								9:37	9:37			
14	G-21S	0-2ft Booster	1								9:41	9:41			
15	G-24N	0-2ft Booster	1								9:48	9:48			
16	G-25	0-2ft Booster	1								9:54	9:54			
17	G-25	2-4ft Booster	1								10:06	10:06			
18	G-25	4.5ft Booster	1								10:12	10:12			
19	G-28SW	0-2ft Booster	1								10:42	10:42			
20	G-31E	0-2ft Booster	1								10:56	10:56			

Relinquished By: <u>Jim Palmer</u>		Date: <u>8/9/22</u>	Time: <u>10:30</u>	Received By: <u>Spodeiguent</u>	Received By: <u>Spodeiguent</u>
Delivered By: (Circle One)		Observed Temp. °C: <u>3.0</u>	Corrected Temp. °C: <u>3.0</u>	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>

REMARKS: TEMP BLM 12-2-3

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:



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

August 12, 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 08/09/22 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.

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, stylized '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:	08/09/2022	Sampling Date:	08/09/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	SUNOCO DIESEL BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	20220510-1000-PRODOPS	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: G - 16 SE 0-2' BOOSTER (H223568-01)

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) 101 % 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	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 73.0 % 43-149

Surrogate: 1-Chlorooctadecane 86.8 % 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

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.
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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

[illegible]



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

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.

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)

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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:	08/10/2022	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

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

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.
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Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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

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 150334

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 150334
	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.	11/15/2022