



Ameredev II, LLC

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

April 18, 2024

New Mexico Environmental Department  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: Closure and Reclamation Report  
Incident ID: nAPP2124629937  
Proj. ID #: 20210819-0000-water  
Location: Singh Waterline

NMOCD:

Ameredev II, LLC submits this Remediation Closure and Reclamation Report and respectfully requests closure approval for the above referenced incident. Remediation and reclamation activities completed in 2024 are included in this report. Remediation activities completed in 2021 are described in the previously submitted and approved Remediation Plan.

The site map is shown on Exhibit A outlining the 2021 remediation extent and the April 2024 remediation extents in relation to the now existing road, utility right of way (ROW) and pipeline ROW.

## 1. Remediation Activities

Remediation activities began on April 1, 2024, and were completed on April 2, 2024, following the remediation plan approved by NMOCD on March 13, 2024 and State Land Office (SLO) on March 14, 2024. Remediation Plan approvals are included in Appendix A.

The remediation extent was divided into sample grids of not more than 200 sq ft around the characterization samples which exceeded closure criteria. Impacted areas were excavated until the walls and bases met closure criteria as defined in Remediation Plan and reproduced below.

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Confirmation soil samples were collected from each grid base and around the perimeter of the release extent and submitted for laboratory analysis of chloride, TPH, Benzene and BTEX. Sample event notifications are included in Appendix A.

Exhibit B - Base grid map with associated square footage.

Exhibit C - Final excavation extents and confirmation soil sample locations.

Table A - Confirmation Sample Point Coordinates

Final excavation extent of BG-01 measured 196 sq ft to a depth of 3 ft.

Final excavation extent of BG-02 measured 200 sq ft to a depth of 2.5 ft.

Vertical delineation was completed during excavation as discussed in NMOCD conditions of approval of Remediation Plan.

All confirmation base and wall samples met the most stringent closure criteria as listed on Table 1 of 19.15.29 NMAC where depth to water is > 100 ft.

- Chloride < 600 mg/kg
- TPH (GRO + DRO + MRO) < 100 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

Table B shows the Summary of Analytical

Laboratory Certificates of Analysis included in Appendix B

Remediation Closure Request	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized....	Not applicable – off-site area
What was the total surface area (in sq ft) remediated	396
What was the total volume (cubic yards) remediated	40.3
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of 4 ft non waste containing material with concentration less than 600 mg/kg chlorides....	Yes
What was the total surface area (in sq ft) reclaimed	396
What was the total volume (in cubic yards) reclaimed	40.3

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Figures 1 and 2 show the excavation extents prior to backfill.



*Figure 1: View of BG-01 facing east from the western extent.  
Date Taken: 2024-04-01 11:49:07. GPS: 32.0369121, -103.2778745*



*Figure 2: View of BG-02 excavation facing southwest from northeast corner.  
Date Taken: 2024-04-02 10:17:33. GPS: 32.0363949, -103.2778633*

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Released to Imaging: 5/3/2024 1:42:31 PM

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During the April, 2024 remediation activities, approximately 40.3 cu yds of impacted material were hauled offsite to an approved facility for proper disposal. Based on conditions of approval by NMOCD and SLO, all excavated surface soils were presumed impacted and included in off-site disposal.

## 2. Reclamation Activities

Following remediation activities, restoration, and reclamation to its current use as a utility right of way, took place in accordance with 19.15.29.13 NMAC.

The remediated areas were backfilled on April 2, 2024 with clean, non-waste containing earthen material, including a minimum of 1 ft of topsoil suitable for revegetation. The area was contoured to match the existing utility ROW. Suitable soils for revegetation and consistent with adjacent undisturbed soils are present in the reclamation area.

The location was reseeded with seed mix consistent with SLO Sandy Loam Soil mix. The area reseeded included the reported 16,074 sq ft extent of the 2021 remediation (please refer to Exhibit 1 Site Map) in addition to the area disturbed for the April 2024 remediation as there was limited revegetation in that area. Seed was hand broadcast at a rate of 40 PLS per acre and raked into place (to avoid disturbance of any established grasses) starting on April 2, 2024 and was completed on April 15, 2024. The site will be monitored for revegetation, soil stability and noxious weeds.

Reclamation Report	
Requestion a reclamation approval with this submission	Yes
What was the total reclamation surface area (in sq ft) for this site	396 for 2024 disturbance related to remediation.
What was the total volume of replacement material (in cubic yards) for this site	40.3
Is the soils top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will or was) reseeding commenced	04/02/2024
Summarize any additional reclamation activities not included by answers above	The 16,075 sq ft area identified as the 2021 remediation extent was also reseeded as a part of the reclamation

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Figure 3 shows the reclamation after final contouring and reseeding.



*Figure 3: View of reclaimed area facing northeast from the southwest extent. The vegetation to the east (photo right) of the utility poles is outside of the reclamation area.  
Date Taken: 2024-04-15 10:09:36. GPS: 32.0361680, -103.2778832*

Please contact me with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Parker". The signature is fluid and cursive, with the first name "Andrew" being more prominent than the last name "Parker".

Andrew Parker  
Environmental Scientist

CC: State Land Office

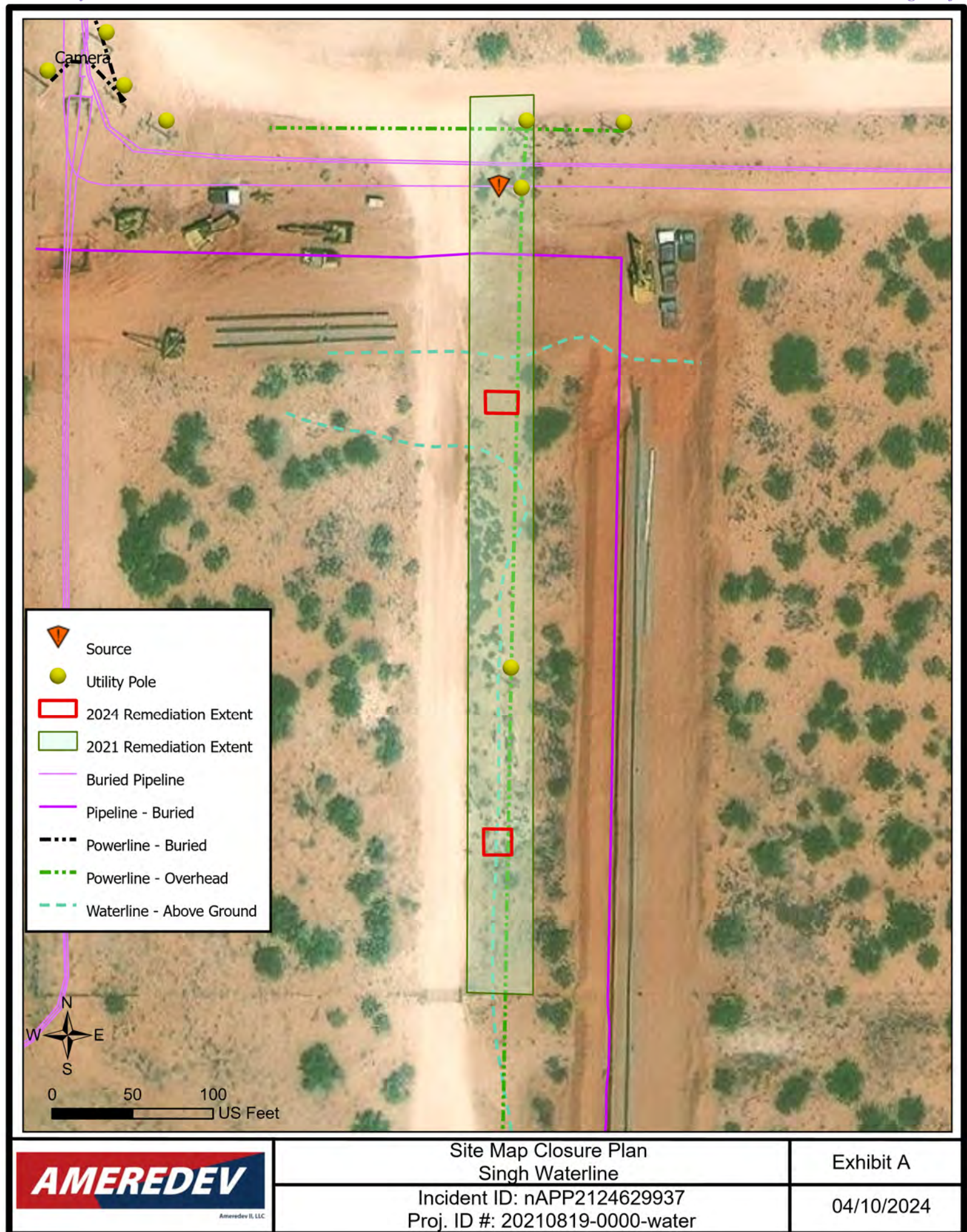
04/18/2024

# Exhibits



Ameredev II, LLC

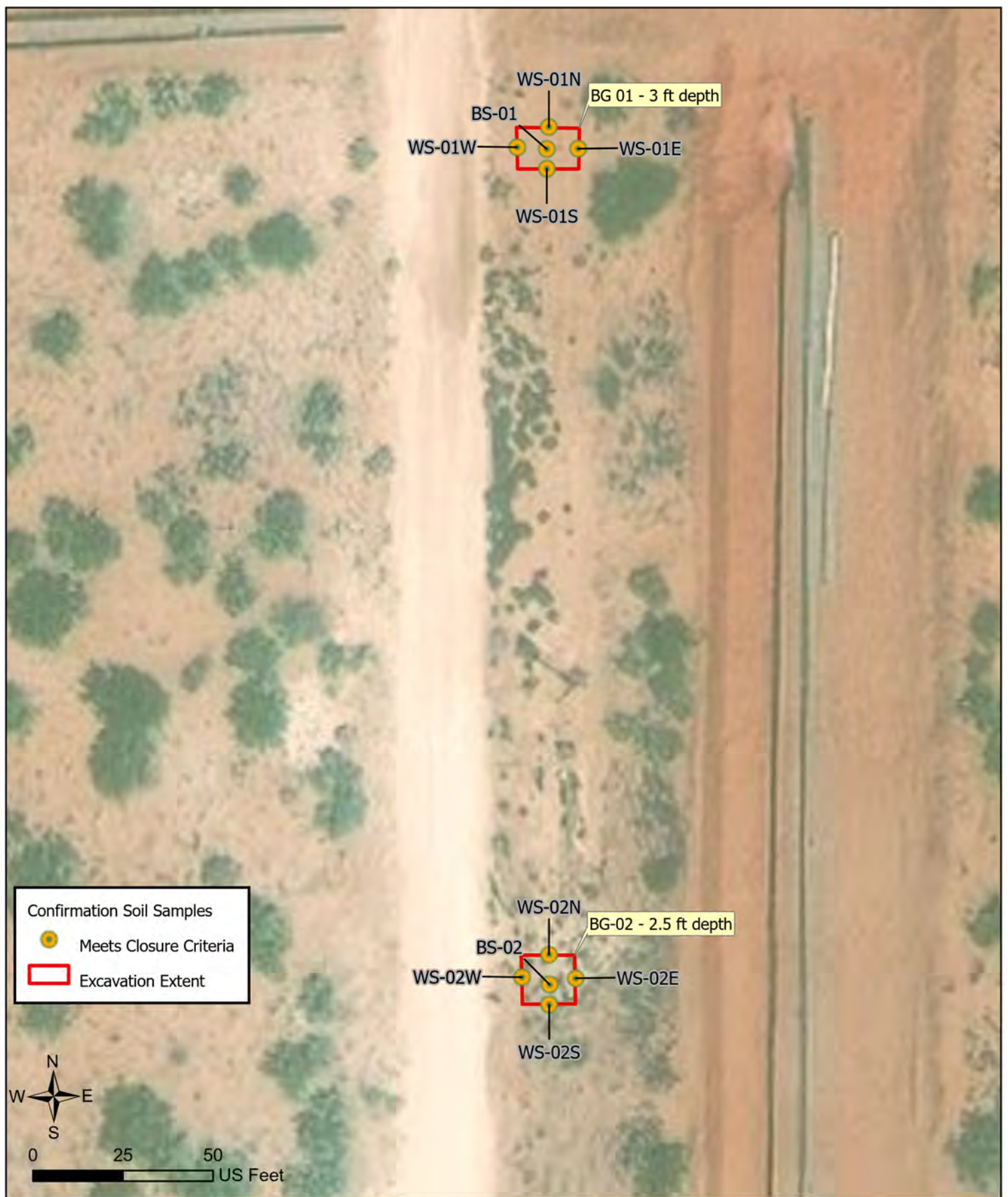












Excavation Extent and Sample Point Locations  
Singh Waterline

Incident ID: nAPP2124629937  
Proj. ID #: 20210819-0000-water

Exhibit C

04/10/2024

# Tables



Ameredev II, LLC

Soil Sample Name	Latitude	Longitude
BS-01	32.03688959	-103.2778221
WS-01N	32.03690650	-103.2778199
WS-01E	32.03688959	-103.2777940
WS-01S	32.03687456	-103.2778222
WS-01W	32.03689118	-103.2778485
BS-02	32.03625230	-103.2778268
WS-02N	32.03627514	-103.2778271
WS-02E	32.03625694	-103.2778035
WS-02S	32.03623698	-103.2778273
WS-02W	32.03625816	-103.2778514



April 10, 2024

Table B  
Summary of AnalyticalIncident ID: nAPP2124629937  
Proj. ID #: 20210819-0000-water  
Location: Singh Waterline

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-Source	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-Source	1/17/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-01	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-01	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-02	1/17/2024		0	2	off-site	112	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-02	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-03	1/17/2024		0	2	off-site	64	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-03	1/17/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-04	1/17/2024		0	2	off-site	80	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-04	1/17/2024	2.5			off-site	96	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-05	1/17/2024		0	2	off-site	352	<20	<30	<0.05	<0.3	Removed	Cardinal	H240217
CS-05	1/17/2024	2.5			off-site	1010	<20	<30	<0.05	<0.3	Removed	Cardinal	H240217
CS-06	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-06	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240217
CS-07	1/15/2024		0	2	off-site	768	<20	<30	<0.05	<0.3	Removed	Cardinal	H240172
CS-07	1/15/2024	2.5			off-site	592	<20	<30	<0.05	<0.3	Removed	Cardinal	H240172
CS-08	1/15/2024		0	2	off-site	256	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240173
CS-08	1/15/2024		2	2.5	off-site	386	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240173
CS-08	1/15/2024		2.5	3.5	off-site	384	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240173
CS-09	1/15/2024		0	2	off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-09	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-10	1/15/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-10	1/15/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-11	1/15/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-11	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-12	1/15/2024		0	2	off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-12	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-13	1/15/2024		0	2	off-site	48	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
CS-13	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Characterization	Cardinal	H240172
BS-01	4/1/2024	3			off-site	272	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-01 N	4/1/2024		0	3	off-site	16	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-01 S	4/1/2024		0	3	off-site	96	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714

April 10, 2024

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Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
WS-01 E	4/1/2024		0	3	off-site	80	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-01 W	4/1/2024		0	3	off-site	32	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
BS-02	4/2/2024	2.5			off-site	144	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-02 N	4/2/2024		0	2.5	off-site	112	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-02 S	4/2/2024		0	2.5	off-site	48	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-02 E	4/2/2024		0	2.5	off-site	48	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
WS-02 W	4/2/2024		0	2.5	off-site	32	<20	<30	<0.05	<0.3	Confirmation	Cardinal	H241714
Backfill 01	4/2/2024					32	<20	<30	<0.05	<0.3		Cardinal	H241715
Backfill 02 Topsoil	4/4/2024					16	<20	<30	<0.05	<0.3		Cardinal	H241715
NA= not analyzed													
Above Closure Criteria													

# Appendix A

## Communications



Ameredev II, LLC



**From:** [Andrew Parker](#)  
**To:** [Laura Parker](#)  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 306246  
**Date:** Wednesday, March 13, 2024 3:59:11 PM

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See below.

Andrew Parker  
Environmental Scientist  
970-570-9535



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**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Wednesday, March 13, 2024 2:57 PM  
**To:** Andrew Parker <aparker@ameredev.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 306246

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2124629937, with the following conditions:

- **Remediation plan approved with conditions.** On pg. 6 of report it states: “The upper 1-1.5 ft of overburden at CS-05 that tested below closure criteria during the January 2024 sampling event will be stockpiled and tested for re-use as backfill material.” If Ameredev plans to use this material, at least one (1) representative 5-point composite sample will need to be collected per every 50 cubic yards of soil from the backfill material that will be used for the reclamation of the top four feet of the excavation and laboratory results need to be submitted to the OCD. If the material being proposed to be used as backfill returns results above 600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene, the material cannot be used. The acceptance of this 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 approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. On pg. 5 of report it states: “Vertical delineation of the area around sample point

**CS-05 will occur during remediation.” Ensure this area is vertically delineated during remediation. Submit remediation closure report to the OCD by 6/9/24.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Shelly Wells  
Environmental Specialist-A  
505-469-7520  
[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)

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

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 327514

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 327514
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2124629937
Incident Name	NAPP2124629937 SINGH WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

**Location of Release Source**

Site Name	SINGH WATER LINE
Date Release Discovered	08/19/2021
Surface Owner	State

**Sampling Event General Information***Please answer all the questions in this group.*

What is the sampling surface area in square feet	900
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2024
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535; aparker@ameredev.com Sampling may continue into 4/2/2024
Please provide any information necessary for navigation to sampling site	From Jal, NM: head South then SW on Highway 205 for approx. 3.5 mi.; at Bennet, continue SW on Frying Pan Road for approximately 4.45 mi; turn west on lease road, at approx. 1.37 mi. turn north on lease road for approx. 1.56 mi.; turn east on lease road for approx. 0.16 mi.; turn north for approx. 0.2 mi; location to the east of road.



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**Oil Conservation Division**  
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QUESTIONS

Action 327515

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 327515
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2124629937
Incident Name	NAPP2124629937 SINGH WATER LINE @ 0
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Incident Status	Remediation Plan Approved

**Location of Release Source**

Site Name	SINGH WATER LINE
Date Release Discovered	08/19/2021
Surface Owner	State

**Sampling Event General Information***Please answer all the questions in this group.*

What is the sampling surface area in square feet	900
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535; aparker@ameredev.com
Please provide any information necessary for navigation to sampling site	From Jal, NM: head South then SW on Highway 205 for approx. 3.5 mi.; at Bennet, continue SW on Frying Pan Road for approximately 4.45 mi; turn west on lease road, at approx. 1.37 mi. turn north on lease road for approx. 1.56 mi.; turn east on lease road for approx. 0.16 mi.; turn north for approx. 0.2 mi; location to the east of road.

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

CONDITIONS  
  
Action 327515

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 327515
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/27/2024

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CONDITIONS  
  
Action 327514

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 327514
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/27/2024

**From:** [Laura Parker](#)  
**To:** [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us)  
**Cc:** [Knight, Tami C.](#); [Andrew Parker](#); [Dayeed Khan](#)  
**Subject:** nAPP2124629937 - Commencing Remediation  
**Date:** Wednesday, March 27, 2024 7:27:00 PM

---

We are commencing remediation and confirmation sampling of the Singh Waterline (nAPP2124629937) on 4/1/2024, based on NMOCD and SLO approved remediation plan.

Please let me know if you have any questions.

Laura Parker  
Environmental Specialist  
505-270-8647





**From:** [Knight, Tami C.](#)  
**To:** [Laura Parker](#)  
**Cc:** [Barnes, Will](#); [Elliott, April L.](#); [Griffin, Becky R.](#); [David, Deon W.](#); [Honea, Tammy](#); [Andrew Parker](#)  
**Subject:** RE: [EXTERNAL] Singh Waterline ID# nAAP2124629937- Remediation Plan Review - Approved  
**Date:** Thursday, March 14, 2024 7:27:09 AM  
**Attachments:** [image007.png](#)  
[image008.png](#)

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**Caution:** External (tknight@slo.state.nm.us)

Spam Content [Details](#)

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

Thank you for the follow up information. This remediation plan is approved. Please send remediation closure report to [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us).

*Tami Knight, CHMM*

NMSLO - ECO  
Mobile: 505.670.1638  
1300 W. Broadway Avenue, Suite A  
Bloomfield, NM 87413  
[tknight@slo.state.nm.us](mailto:tknight@slo.state.nm.us)  
[nmstatelands.org](http://nmstatelands.org)

**PLEASE SUBMIT WORKPLANS AND REPORTS TO ECO@SLO.STATE.NM.US**

.....

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**From:** Laura Parker <[lparker@ameredev.com](mailto:lparker@ameredev.com)>  
**Sent:** Monday, March 4, 2024 3:09 PM  
**To:** Knight, Tami C. <[tknight@slo.state.nm.us](mailto:tknight@slo.state.nm.us)>

**Cc:** Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>; Elliott, April L. <[aelliott@slo.state.nm.us](mailto:aelliott@slo.state.nm.us)>; Griffin, Becky R. <[bgriffin@slo.state.nm.us](mailto:bgriffin@slo.state.nm.us)>; David, Deon W. <[ddavid@slo.state.nm.us](mailto:ddavid@slo.state.nm.us)>; Honea, Tammy <[thonea@slo.state.nm.us](mailto:thonea@slo.state.nm.us)>; Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>

**Subject:** RE: [EXTERNAL] Singh Waterline ID# nAAP2124629937- Remediation Plan Review - Additional Info Needed

Tami,

Thank you for your review and response. We are still awaiting response from NMOCD.

1. We respect and understand ECO's decision and will dispose of the material we proposed to stockpile, representing approximately 200-300 cubic feet.
2. Following remediation, the reclamation will contain a minimum of four feet of non-waste containing, uncontaminated, earthen material. The soil cover will include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The surface will be restored to the existing utility ROW, contoured to reduce erosion. The area will be reseeded within 2 weeks of reclamation with a seed mix consistent with NMSLO Sandy Loam Site seed mixture via broadcast seeding followed by raking or dragging to cover seed. The site will be monitored for revegetation. NMOCD typically does not require approval of reclamation plan ahead of remediation, but asks for detail of process as a part of the requirements for a request for incident closure.
3. We do not anticipate that we will come close to any prior undisturbed area – given the building of the road to the east, the utility ROW through the area of interest and the broad swath pipeline ROW to the west. Understanding SLO's commitment to Cultural Properties Protection, I had reached out to the Cultural Resources Office prior to characterization sampling. Please see attached communication from Anne Curry confirming that the area had been already subject to an Arch survey.

I will let you know when we hear back from NMOCD.

Regards,

Laura Parker  
Environmental Specialist  
505-270-8647



---

**From:** Knight, Tami C. <[tknight@slo.state.nm.us](mailto:tknight@slo.state.nm.us)>

**Sent:** Monday, March 4, 2024 1:45 PM

**To:** Laura Parker <[lparker@ameredev.com](mailto:lparker@ameredev.com)>

**Cc:** Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>; Elliott, April L. <[aelliott@slo.state.nm.us](mailto:aelliott@slo.state.nm.us)>; Griffin, Becky R. <[bgriffin@slo.state.nm.us](mailto:bgriffin@slo.state.nm.us)>; David, Deon W. <[ddavid@slo.state.nm.us](mailto:ddavid@slo.state.nm.us)>; Honea, Tammy <[thonea@slo.state.nm.us](mailto:thonea@slo.state.nm.us)>; Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>

**Subject:** [EXTERNAL] Singh Waterline ID# nAAP2124629937- Remediation Plan Review - Additional Info Needed

Laura

ECO has reviewed the subject remediation plan for the Singh Waterline and has the following comments:

1. The workplan proposed to use soil from the upper 1-1.5 feet around CS-5 as backfill if clean based on 50 cy samples. ECO does not agree with this proposal since this is based on limited sampling points extending a significant distance between points. The proposed "clean area" would need to be sampled in accordance with [19.15.29.12](#) NMAC (i.e. 200 sq ft) since it is in the flow path of the release. Please provide email confirmation that you understand our conditions of not allowing the upper surficial soils to be used as backfill without further information. If there is a discrepancy between ECO and OCD on this decision, ECO is happy to discuss with OCD and Ameredev.
2. The remediation plan does not address reclamation which includes reseeding of State Trust Land. Please provide additional details on reclamation of State Trust Land. Please select an approved NMSLO seed mix based on soil type. You do not need to resubmit a workplan, but can respond to this email with the reclamation plans for the subject release remediation. Under the new NMOCD C-141 requirements, they will likely require additional reclamation information be submitted with the remediation plan.

Please keep in touch regarding NMOCD's decision on this remediation plan. Also, if the excavation takes you into areas not previously disturbed, compliance with the Cultural Properties Protection Rule will be required.

Thank you

**Tami Knight, CHMM**

*Environmental Specialist*

*SRD-Environmental*

*Compliance Office (ECO)*

505.670.1638

New Mexico State Land Office

1300 W. Broadway Avenue, Suite A  
Bloomfield, NM 87413  
[tknight@slo.state.nm.us](mailto:tknight@slo.state.nm.us)  
[nmstatelands.org](http://nmstatelands.org)

**PLEASE SUBMIT WORKPLANS AND REPORTS TO [ECO@SLO.STATE.NM.US](mailto:ECO@SLO.STATE.NM.US)**

.....

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# Appendix B

## Certificates of Analysis



Ameredev II, LLC



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

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January 19, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/24 8:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 13 0-2' (H240172-01)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 13 2.5' (H240172-02)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 12 0-2' (H240172-03)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 12 2.5' (H240172-04)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 11 0-2' (H240172-05)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 11 2.5' (H240172-06)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

Cardinal Laboratories

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 10 0-2' (H240172-07)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 10 2.5' (H240172-08)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 09 0-2' (H240172-09)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 09 2.5' (H240172-10)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 07 0-2' (H240172-11)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 07 2.5' (H240172-12)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

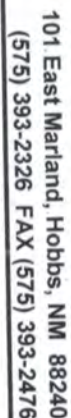
## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

<b>Company Name:</b> Amecelus LLC <b>Project Manager:</b> Andrew Parker <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: Amecelus <b>Project Name:</b> Singh Water line <b>Project Location:</b> Amecelus <b>Sampler Name:</b> Andrew Esquivel FOR LAB USE ONLY		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Amecelus LLC <b>Attn:</b> A. Parker <b>Address:</b> AN-File <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project Name:</b> Singh Water line <b>Project Location:</b> Amecelus <b>Sampler Name:</b> Andrew Esquivel		<b>ANALYSIS REQUEST</b> <b>TPH</b> <b>BTEX</b> <b>Benzene</b> <b>chloride</b>			
<b>Lab I.D.</b> H340173		<b>Sample I.D.</b> 1 CS-13 0-2 Ft. 10:45 2 CS-13 2.5 Ft. 10:56 3 CS-12 0-2 Ft. 11:15 4 CS-12 2.5 Ft. 11:36 5 CS-11 0-2 Ft. 12:34 6 CS-11 2.5 Ft. 12:57 7 CS-10 0-2 Ft. 1:24 8 CS-10 2.5 Ft. 1:29 9 CS-09 0-2 Ft. 1:45 10 CS-09 2.5 Ft. 1:53		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE 6/15/24 TIME 10:45		MATRIX PRESERV SAMPLING	
<b>Relinquished By:</b> Date: 7-16-24 Time: 8:51 Received By: [Signature] Relinquished By: [Signature]		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>Remarks:</b> Parker@amecelus.com		<b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Bacteria (only)</b> <input type="checkbox"/> <b>Sample Condition</b> <b>Cool Intact</b> <input type="checkbox"/> <b>Observed Temp. °C</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Corrected Temp. °C</b> <b>Thermometer ID #140</b> <b>Correction Factor 0°C</b>			
<b>Delivered By:</b> (Circle One) <b>Sampler - UPS - Buis - Other:</b>		<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>		<b>Sample Condition</b> <b>Cool Intact</b> <input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Checked By:</b> (Initials) [Signature]			

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





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

20



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

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January 19, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/24 8:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	01/16/2024	Sampling Date:	01/15/2024
Reported:	01/19/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	AMEREDEV		

**Sample ID: CS - 08 0-2' (H240173-01)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/16/2024	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	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 08 0-2 - 2.5' (H240173-02)**

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/16/2024	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	01/17/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2024  
 Reported: 01/19/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: AMEREDEV

Sampling Date: 01/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 08 2.5-3.5' (H240173-03)**

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/16/2024	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	01/17/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03      The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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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

[illegible]



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

January 23, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, 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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - SOURCE 0-2 FT. (H240217-01)**

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - SOURCE 2.5 FT. (H240217-02)**

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 01 0-2 FT. (H240217-03)**

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 01 2.5 FT. (H240217-04)**

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 02 0-2 FT. (H240217-05)**

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 02 2.5 FT. (H240217-06)**

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 03 0-2 FT. (H240217-07)**

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 03 2.5 FT. (H240217-08)**

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 04 0-2 FT. (H240217-09)**

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	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 04 2.5 FT. (H240217-10)**

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-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	01/19/2024	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	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

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

Received: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 05 0-2 FT. (H240217-11)**

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	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/19/2024	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	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 05 2.5 FT. (H240217-12)**

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	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	01/19/2024	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	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 06 0-2 FT. (H240217-13)**

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	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

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	01/19/2024	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	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 01/18/2024  
 Reported: 01/23/2024  
 Project Name: SINGH WATER LINE  
 Project Number: NONE GIVEN  
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 06 2.5 FT. (H240217-14)**

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

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	01/19/2024	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	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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 "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Amecel LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>							
<b>Project Manager:</b> Andrew Parker				<b>P.O. #:</b>											
<b>Address:</b> On-File				<b>Company:</b> Amecel											
<b>City:</b>				<b>Attn:</b> A Parker											
<b>State:</b>				<b>Address:</b> On-File											
<b>Zip:</b>				<b>City:</b>											
<b>Phone #:</b>				<b>State:</b>											
<b>Fax #:</b>				<b>Zip:</b>											
<b>Project #:</b>				<b>Phone #:</b>											
<b>Project Name:</b> Singh Water Line				<b>Fax #:</b>											
<b>Project Location:</b> Singh Water Line															
<b>Sampler Name:</b> Amber Escayeda															
<b>FOR LAB USE ONLY</b>															
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>			
1 CS-Source		0-2 FT.													
2 CS-Source		2.5 FT.													
3 CS-01		0-2 FT.													
4 CS-01		2.5 FT.													
5 CS-02		0-2 FT.													
6 CS-02		2.5 FT.													
7 CS-03		0-2 FT.													
8 CS-03		2.5 FT.													
9 CS-04		0-2 FT.													
10 CS-04		2.5 FT.													
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<b>Relinquished By:</b>				<b>Date:</b> 4-18-24				<b>Received By:</b>				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:			
<b>Relinquished By:</b>				<b>Date:</b> 4-18-24				<b>Received By:</b>				<b>All Results are emailed. Please provide Email address:</b>			
<b>Delivered By:</b> (Circle One)				<b>Observed Temp. °C:</b> -0.1				<b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Turnaround Time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush			
<b>Sampler - UPS - Bus - Other:</b>				<b>Corrected Temp. °C:</b>				<b>Thermometer ID #140</b>				<b>Bacteria (only) Sample Condition:</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			
												<b>Observed Temp. °C:</b>			
												<b>Corrected Temp. °C:</b>			

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <u>Amereb LLC</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>					
<b>Project Manager:</b> <u>Andrew Parker</u>				<b>P.O. #:</b>									
<b>Address:</b> <u>On-File</u>				<b>Company:</b> <u>Amereb LLC</u>									
<b>City:</b>				<b>Attn:</b> <u>Aparker@amereb.com</u>									
<b>State:</b>				<b>Address:</b> <u>On-File</u>									
<b>Phone #:</b>				<b>City:</b>									
<b>Fax #:</b>				<b>State:</b>									
<b>Project #:</b>				<b>Zip:</b>									
<b>Project Name:</b> <u>Sigh Water Line</u>				<b>Phone #:</b>									
<b>Project Location:</b> <u>Sigh Water Line</u>				<b>Fax #:</b>									
<b>Sampler Name:</b> <u>Arden Eragida</u>													
<small>FOR LAB USE ONLY</small>													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>	
								<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :		<input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :			
<u>H440217</u>		<u>11 CS-05</u>		<u>0.2 Ft.</u>				<input checked="" type="checkbox"/>		<u>AE</u>		<u>TPH</u>	
		<u>12 CS-05</u>		<u>0.5 Ft.</u>				<input type="checkbox"/>		<u>01/17/24 10:48</u>		<u>BTEX</u>	
		<u>13 CS-04</u>		<u>0.2 Ft.</u>				<input type="checkbox"/>		<u>01/17/24 10:01</u>		<u>Benzene</u>	
		<u>14 CS-04</u>		<u>0.5 Ft.</u>				<input type="checkbox"/>		<u>10:10</u>		<u>Chloride</u>	
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<b>Relinquished By:</b> <u>[Signature]</u>				<b>Received By:</b> <u>[Signature]</u>				<b>Verbal Resu:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Received By:</b> <u>[Signature]</u>				<b>All Results are emailed:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please provide Email address:					
<b>Delivered By:</b> (Circle One) <input type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:				<b>Observed Temp. °C</b> <u>-0.1</u>				<b>Sample Condition</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Corrected Temp. °C</b>				<b>CHECKED BY:</b> (Initials) <u>[Signature]</u>				<b>Turnaround Time:</b> <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush					
				<b>Thermometer ID #140</b>				<b>Bacteria (only) Sample Condition</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No					
				<b>Correction Factor 0°C</b>				<b>Observed Temp. °C</b>					
								<b>Corrected Temp. °C</b>					

FORM-006 R-3-4 07/11/23

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April 09, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/02/24 16:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, 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:	04/02/2024	Sampling Date:	04/01/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: BS - 01 3FT (H241714-01)**

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	04/04/2024	ND	2.17	109	2.00	2.04		
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85		
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97		
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06		
Total BTEX	<0.300	0.300	04/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/01/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 01N 0-3FT (H241714-02)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/02/2024	Sampling Date:	04/01/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 01E 0-3FT (H241714-03)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/01/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 01S 0-3FT (H241714-04)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/01/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 01W 0-3FT (H241714-05)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: BS - 02 2.5FT (H241714-06)**

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	04/04/2024	ND	2.17	109	2.00	2.04		
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85		
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97		
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06		
Total BTEX	<0.300	0.300	04/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/04/2024	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	04/04/2024	ND	224	112	200	0.679	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	220	110	200	0.145	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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: 04/02/2024  
 Reported: 04/09/2024  
 Project Name: SINGH WATER LINE  
 Project Number: 20210819 - 0000 - WATER  
 Project Location: SINGH WATER LINE

Sampling Date: 04/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WS - 02N 0-2.5FT (H241714-07)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/04/2024	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	04/09/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 02E 0-2.5FT (H241714-08)**

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	04/04/2024	ND	2.17	109	2.00	2.04		
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85		
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97		
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06		
Total BTEX	<0.300	0.300	04/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/04/2024	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	04/04/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 02S 0-2.5FT (H241714-09)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/05/2024	ND	448	112	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	04/04/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/09/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: WS - 02W 0-2.5FT (H241714-10)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/05/2024	ND	448	112	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	04/04/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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\*=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





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Amerender LLC <b>Project Manager:</b> Andrew Parker <b>Address:</b> On-File <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> 20210819-0000-water <b>Project Location:</b> Singh Waterline <b>Sampler Name:</b> Jesus Palomares		<b>BILL TO</b> <b>P.O. #:</b> 20210819-0000-water <b>Company:</b> Amerender <b>Attn:</b> aparker@amerender.com <b>Address:</b> City: State: Zip: <b>Phone #:</b> Fax #:		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> Sample I.D. H341714		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV</b> ACID/BASE: ICE / COOL OTHER:	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or from, "1 to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above, stated reasons or otherwise.		<b># CONTAINERS</b> DATE TIME		<b>SAMPLING</b> DATE TIME	
1 BS-01 3ft 2 WS-01N 0-3ft 3 WS-01E 0-3ft 4 WS-01S 0-3ft 5 WS-01W 0-3ft 6 BS-02 2.5ft 7 WS-02N 0-2.5ft 8 WS-02E 0-2.5ft 9 WS-02S 0-2.5ft 10 WS-02W 0-2.5ft		C 1 04-01-24 11:05 11:30 11:47 11:22 11:15 04-02-24 09:51 09:56 10:08 10:01 10:10		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)	
<b>Relinquished By:</b> Date: 04-02-2024 Time: 16:59 Received By: J. Palomares Date: 04-02-2024 Time: 16:59		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:		<b>REMARKS:</b>	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> Corrected Temp. °C 8.4°C		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>TURNAROUND TIME:</b> Standard Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C		<b>CHECKED BY:</b> (Initials)		<b>Thermometer ID #140</b> Correction Factor 0°C	

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





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

April 08, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/02/24 16:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/08/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: BACKFILL 01 CALICHE (H241715-01)**

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	04/04/2024	ND	2.17	109	2.00	2.04	
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97	
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06	
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/05/2024	ND	448	112	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	04/04/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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:	04/02/2024	Sampling Date:	04/02/2024
Reported:	04/08/2024	Sampling Type:	Soil
Project Name:	SINGH WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	20210819 - 0000 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	SINGH WATER LINE		

**Sample ID: BACKFILL 02 TOPSOIL (H241715-02)**

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	04/04/2024	ND	2.17	109	2.00	2.04		
Toluene*	<0.050	0.050	04/04/2024	ND	2.12	106	2.00	1.85		
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	2.04	102	2.00	1.97		
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.89	98.2	6.00	2.06		
Total BTEX	<0.300	0.300	04/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/05/2024	ND	448	112	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	04/04/2024	ND	222	111	200	7.23	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	206	103	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Amerceder LLC <b>Project Manager:</b> Andrew Packer <b>Address:</b> On-File <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> 20210819-0000-water <b>Project Location:</b> Singh Waterline <b>Sampler Name:</b> Jesus Palomares		<b>BILL TO</b> <b>P.O. #:</b> 20210819-0000-water <b>Company:</b> Amerceder <b>Attn:</b> a.packer@amerceder.com <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV</b> ACID/BASE: ICE / COOL OTHER:	
<b>Lab I.D.</b> H341715 Backfill 01 Caliche Backfill 02 Topsoil		<b>Sample I.D.</b>		<b>SAMPLING</b> DATE: 04-02-24 TIME: 10:41 11:31	
(G)RAB OR (C)OMP. # CONTAINERS 1		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)			
Relinquished By: [Signature] Date: 04-02-2024 Time: 10:59 Received By: [Signature] Date: 04-02-2024 Time: 10:59		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corrected Temp. °C: 3.4°C Observed Temp. °C: 3.4°C Sample Condition: Cool Intact Checked By: (Initials) [Signature]		Turnaround Time: Standard Rush Bacteria (only) Sample Condition: Cool Intact Corrected Temp. °C:		Thermometer ID #140 Correction Factor 0°C	

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

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Oil Conservation Division  
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QUESTIONS

Action 338998

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	338998
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2124629937
Incident Name	NAPP2124629937 SINGH WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2220848428] Ikes Pad

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SINGH WATER LINE
Date Release Discovered	08/19/2021
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	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	
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.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out   Pipeline (Any)   Produced Water   Released: 100 BBL   Recovered: 60 BBL   Lost: 40 BBL.
Is the concentration of 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)	poly pipeline rupture



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QUESTIONS, Page 2

Action 338998

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	338998
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	1. Make a one call 2. Obtain Right of Entry from State Land Office
Per Paragraph (4) of Subsection B of 19.15.29.8 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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
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.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 02/16/2024

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QUESTIONS, Page 3  
  
Action 338998

**QUESTIONS (continued)**

Operator:  AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	338998
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1010
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30
GRO+DRO (EPA SW-846 Method 8015M)	20
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/01/2024
On what date will (or did) the final sampling or liner inspection occur	04/04/2024
On what date will (or was) the remediation complete(d)	04/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	1200
What is the estimated volume (in cubic yards) that will be reclaimed	156
What is the estimated surface area (in square feet) that will be remediated	900
What is the estimated volume (in cubic yards) that will be remediated	156
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4  
Action 338998

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	338998
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 02/16/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 338998

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 338998
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 338998

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	338998
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	327515
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	900

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	396
What was the total volume (cubic yards) remediated	40.3
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	396
What was the total volume (in cubic yards) reclaimed	40.3
Summarize any additional remediation activities not included by answers (above)	Please refer to attached documents

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 04/30/2024
--	--

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QUESTIONS, Page 7

Action 338998

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	338998
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	396
What was the total volume of replacement material (in cubic yards) for this site	40.3
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/02/2024
Summarize any additional reclamation activities not included by answers (above)	The 16,075 sq ft area identified as the 2021 remediation extent was reseeded on April 15, 2024 as a part of total site reclamation.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 04/30/2024



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District III**  
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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 338998
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS  
  
Action 338998

CONDITIONS

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	Action Number: 338998
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation report approved. Please note in future remediations the entire area remediated should be included in calculation of total reclamation surface area (for this incident the work conducted in 2021 would also be included).	5/3/2024