

Remediation Summary & Soil Closure Request

Solaris Water Midstream, LLC Urraca Booster Pump

Lea County, New Mexico

Unit Letter "B", Section 11, Township 23 South, Range 32 East

Latitude 32.32348 North, Longitude 103.64382 West

NMOCD Reference No. nAPP2310130251

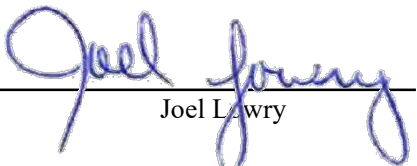
Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D

Lubbock, Texas 79413


Ben J. Arguijo


Joel Lowry



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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Solaris Water Midstream, LLC (Solaris), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Urraca Booster Pump. Details of the release are summarized below:

Location of Release Source

Latitude: 32.32348 Longitude: -103.64382

Provided GPS are in WGS84 format.

Site Name: <u>Urraca Booster Pump</u>	Site Type: <u>Booster Pump</u>
Date Release Discovered: <u>4/10/2023</u>	API # (if applicable): <u>N/A</u>

Unit Letter	Section	Township	Range	County
"B"	11	23S	32E	Lea

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

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>51</u>	Volume Recovered (bbls) <u>10</u>
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
A hose fastener on the booster pump failed. The pump was being monitored and was turned off. The pump was stopped and the hose replaced.

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 500 and 1,000 (ft.)
What method was used to determine the depth to groundwater?	Estimate or Other
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	1 to 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	1 to 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	1 to 5 (mi.)
Any other fresh water well or spring?	1 to 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	1 to 5 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	1 to 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	> 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Searches of databases maintained by the NMOCD, New Mexico Office of the State Engineer (NMOSE), and United States Geological Survey (USGS) were conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Urraca Booster Pump release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 4.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Urraca Booster Pump release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 500 and 1,000 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 SITE ASSESSMENT

On May 22 and 23, 2023, Etech conducted an initial site assessment. During the initial site assessment, five (5) hand-augered soil bores (V1 through V5) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. The soil bores were advanced in one (1) foot increments until refusal was met or field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. In addition, seven (7) hand-augered soil bores (NH1, EH1, SH1, SH2, WH1, WH2, and WH3) were advanced within one (1) to two (2) feet of the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of 24 delineation soil samples (NH1 @ Surface, NH1 @ 1', EH1 @ Surface, EH1 @ 1', SH1 @ Surface, SH1 @ 1', SH2 @ Surface, SH2 @ 1', WH1 @ Surface, WH1 @ 1', WH2 @ Surface, WH2 @ 1', WH3 @ Surface, WH3 @ 1', V1 @ Surface, V1 @ 3'-R, V2 @ Surface, V2 @ 2'-R, V3 @ Surface, V3 @ 2'-R, V4 @ Surface, V4 @ 2'-R, V5 @ Surface, and V5 @ 2'-R) were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX concentrations were also below the NMOCD Reclamation Standard. GRO+DRO concentrations in soil samples V2 @ Surface and V2 @ 2'-R exceeded the NMOCD Closure Criterion. The TPH concentration in soil sample V2 @ 2'-R exceeded the NMOCD Closure Criterion, and the TPH concentrations in soil samples V1 @ Surface, V1 @ 3'-R, V2 @ Surface, and V3 @ Surface exceeded the NMOCD Reclamation Standard. Chloride concentrations in soil samples V1 @ Surface, V1 @ 3'-R, V2 @ Surface, V2 @ 2'-R, V3 @ 2'-R, V4 @ Surface, and V5 @ Surface exceeded the NMOCD Reclamation Standard.

Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH1, EH1, SH1, SH2, WH1, WH2, and WH3; and the vertical extent of impacted soil was adequately defined in the areas characterized by sample points V4 and V5. However, additional vertical delineation was required in the areas characterized by sample points V1, V2, and V3.

On October 4, 2023, Etech continued the site assessment. In an effort to further investigate the vertical extent of impacted soil, a backhoe was utilized to advance test trenches (SP-1, SP2, and SP3) in the areas characterized by sample points V1, V2, and V3 to total depths ranging from seven (7) feet bgs (SP2) to 11 feet bgs (SP-1 and SP3). During the advancement of the test trenches, soil samples were collected and field-screened as previously described for the presence of VOCs and/or concentrations of chloride.

Based on field observations and field test data, six (6) delineation soil samples (SP-1 @ 4', SP-1 @ 11', SP2 @ 4, SP2 @ 7, SP3 @ 4, and SP3 @ 11) were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. Based on these laboratory analytical results, the vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP-1/V1, SP2/V2, and SP3/V3.

5.0 REGULATORY APPROVALS & STIPULATIONS

On April 11, 2024, based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment and subsequent delineation events, Solaris submitted a *Site Assessment Summary & Variance Request* to the NMOCD requesting a variance from the requirements of Sections 19.15.29.12 C.(3) and 19.15.29.13 D.(1) NMAC to (a) limit the vertical excavation of impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards to the surface of the calcrete rock layer underlying the release site (approximately 2 to 3 feet bgs) and (b) leave impacted soil within

and below the calcrete layer in-situ. A variance was also requested for an alternative sampling plan comprised of five-point composite confirmation samples collected from the excavated area at intervals representing no more than 400 square feet.

The variance requests (henceforth referred to collectively as "*Remediation Plan*") were subsequently approved by the NMOCD under the following conditions: "Solaris (371643) is responsible for the remediation, reclamation, and revegetation of this release, it is the responsible party's duty to include letters from the pipeline operators who are requesting a 'no excavation' buffer zone around their pipelines to take responsibility for any contamination left in place due to their buffer zone request. If the pipeline operators are unwilling to take responsibility for the contamination located within their requested buffer zones, the responsible party will be required to remediate, reclaim, and revegetate the release pursuant to 19.15.29 NMAC. Furthermore, pursuant to 19.15.29.7 C. NMAC, OCD may consider a person causing the release, or controlling the location of the release as the responsible party. If any pipeline operator refuses to allow the remediation, reclamation, and revegetation of this release, OCD reserves the right to hold the pipeline operator as the responsible party....Solaris has 90-days (07/10/2024) to submit its appropriate or final remediation closure report."

6.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	2/29/2024	
On what date will (or did) the final sampling or liner inspection occur?	5/13/2024	
On what date will (or was) the remediation complete(d)?	5/14/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	122,706	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	12,060	
What was the total surface area (sq. ft.) that has or will be remediated?	122,706	
What was the total volume (cy) that has or will be remediated?	12,060	
This remediation utilized the following processes to remediate/reduce contaminants:		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	Northern Delaware Basin Landfill	
NMOCD Disposal Facility ID?	fSL2019032229	
Summarize any additional remediation activities not included by answers above.	See below	

On February 29, 2024, Etech commenced remediation activities at the Urraca Booster Pump release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation

Standards. The floor of the excavated area was advanced to the extent practicable to the calcrete layer underlying the release site at approximately two (2) to three (3) feet bgs. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below.

Constituent	Highest Observable Concentration	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	18,800	V5 @ Surface	5/22/2023	0	Excavated
TPH	4,680	V2 @ 2'-R	5/23/2023	2	Excavated
GRO+DRO	3,800	V2 @ 2'-R	5/23/2023	2	Excavated
Benzene	<0.050	All submitted samples	See Table 1	0-11	In-Situ & Excavated
BTEX	<0.300	All submitted samples	See Table 1	0-11	In-Situ & Excavated

Please reference Table 1 for additional information.

On March 4, 2024, Etech collected 18 confirmation soil samples (NW 1, EW 1 through EW 6, SW 1 through SW 5, and WW 1 through WW 6) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 12, 2024, Etech collected 22 confirmation soil samples (NW 2 through NW 8, EW 7 through EW 10, SW 6 through SW 12, and WW 7 through WW 10) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 19, 2024, Etech collected 15 confirmation soil samples (NW 9 through NW 14, SW 13 through SW 18, WW 11, WW 12, and WW 13) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 20, 2024, Etech collected six (6) confirmation soil samples (NW 15, NW 16, NW 17, SW 19, SW 20, and SW 21) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 21, 2024, Etech collected two (2) confirmation soil samples (EW 11 and EW 12) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 22, 2024, Etech collected two (2) confirmation soil samples (NW 18 and NW 19) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 25, 2024, Etech collected two (2) confirmation soil samples (SW 22 and SW 23) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 27, 2024, Etech collected three (3) confirmation soil samples (EW 13, WW 14, and WW 15) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 28, 2024, Etech collected six (6) confirmation soil samples (EW 14, EW 15, SW 24, WW 16, WW 17, and WW 18) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On April 2, 2024, Etech collected five (5) confirmation soil samples (EW 16, EW 17, WW 19, WW 20, and WW 21) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On April 3, 2024, Etech collected four (4) confirmation soil samples (EW 18, EW 19, EW 20, and WW 22) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On April 8, 2024, Etech collected nine (9) confirmation soil samples (EW 21 through EW 25, SW 25, RISER NW 1, RISER EW 1, and RISER WW 1) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On April 10, 2024, Etech collected 24 confirmation soil samples (FL 1 @ 2' through FL 24 @ 2.5') from the floor of the excavated area. In anticipation of NMOCD approval of the *Remediation Plan* (which was subsequently approved on April 11th), the soil samples were collected at intervals representing no more than 400 square feet. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On April 12, 2024, Etech collected 72 confirmation soil samples (FL 25 @ 2.5' through FL 96 @ 2.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On April 15, 2024, Etech collected 47 confirmation soil samples (FL 97 @ 2.5' through FL 144 @ 2.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On April 16, 2024, Etech collected 24 confirmation soil samples (FL 145 @ 2.5' through FL 168 @ 2.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. GRO+DRO concentrations in soil samples FL 145 @ 2.5' and FL 163 @ 2.5' exceeded the NMOCD Closure Criterion. Additional excavation in the areas characterized by soil samples FL 145 @ 2.5' and FL 163 @ 2.5' was deemed impracticable due to the presence of the calcrete layer underlying the affected area.

On April 22, 2024, Etech collected 47 confirmation soil samples (FL 169 @ 2' through FL 173 @ 2', FL 175 @ 2' through FL 202 @ 2', and FL 204 @ 2' through FL 217 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On April 23, 2024, Etech collected one (1) confirmation soil sample (FL 203 @ 2') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On April 24, 2024, Etech collected one (1) confirmation soil sample (FL 174 @ 2') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On May 10, 2024, Etech collected 22 confirmation soil samples (FL 218 @ 2' through FL 233 @ 1.5', NW 20, SW 26, and WW 23 through WW 26) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On May 13, 2024, Etech collected six (6) confirmation soil samples (FL 234 @ 2', FL 235 @ 2', FL 236 @ 2', NW 21, SW 27, and WW 27) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 510 to 860 feet in length, three (3) to 185 feet in width, and one (1) to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 12,060 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 10,064 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

7.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What was the total surface area (sq. ft.) remediated?	122,706	
What was the total volume (cy) remediated?	12,060	

Remediation activities were conducted in accordance with an NMOCD-approved *Remediation Plan*. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated to the extent practicable and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Solaris provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request remediation closure approval be granted to the Urraca Booster Pump release site.

8.0 RESTORATION, RECLAMATION & RE-VEGETATION SUMMARY

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	122,706
What was the total volume (in cubic yards) reclaimed?	12,060

On April 18, 2024, in accordance with NMOCD requirements, a 5-point composite soil sample (BF-01) was collected from the imported material stockpiled on-site to be utilized as backfill. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

From April 24 through May 14, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample BF-01) emplaced at or near original relative positions. The affected areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

On June 19, 2024, in accordance with NMOCD and BLM requirements, the affected area was seeded with a BLM #2 seed mixture certified to be free of noxious weeds. The seed was installed at the prescribed rate utilizing a broadcaster and harrow. Photographs of the seeding event and seed tag are provided in Appendix C.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Solaris Water Midstream, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Solaris Water Midstream, LLC.

10.0 DISTRIBUTION

Solaris Water Midstream, LLC

*907 Tradewinds Blvd, Ste B
Midland, TX 79706*

New Mexico Energy, Minerals and Natural Resources Department

*Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505*

United States Department of the Interior

*Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220*

(Electronic Submission)

Figure 1

Site Location Map



ETECH
Environmental & Safety Solutions, Inc.

Date: 1/18/24

Figures 2A & 2B

Site Characterization Maps

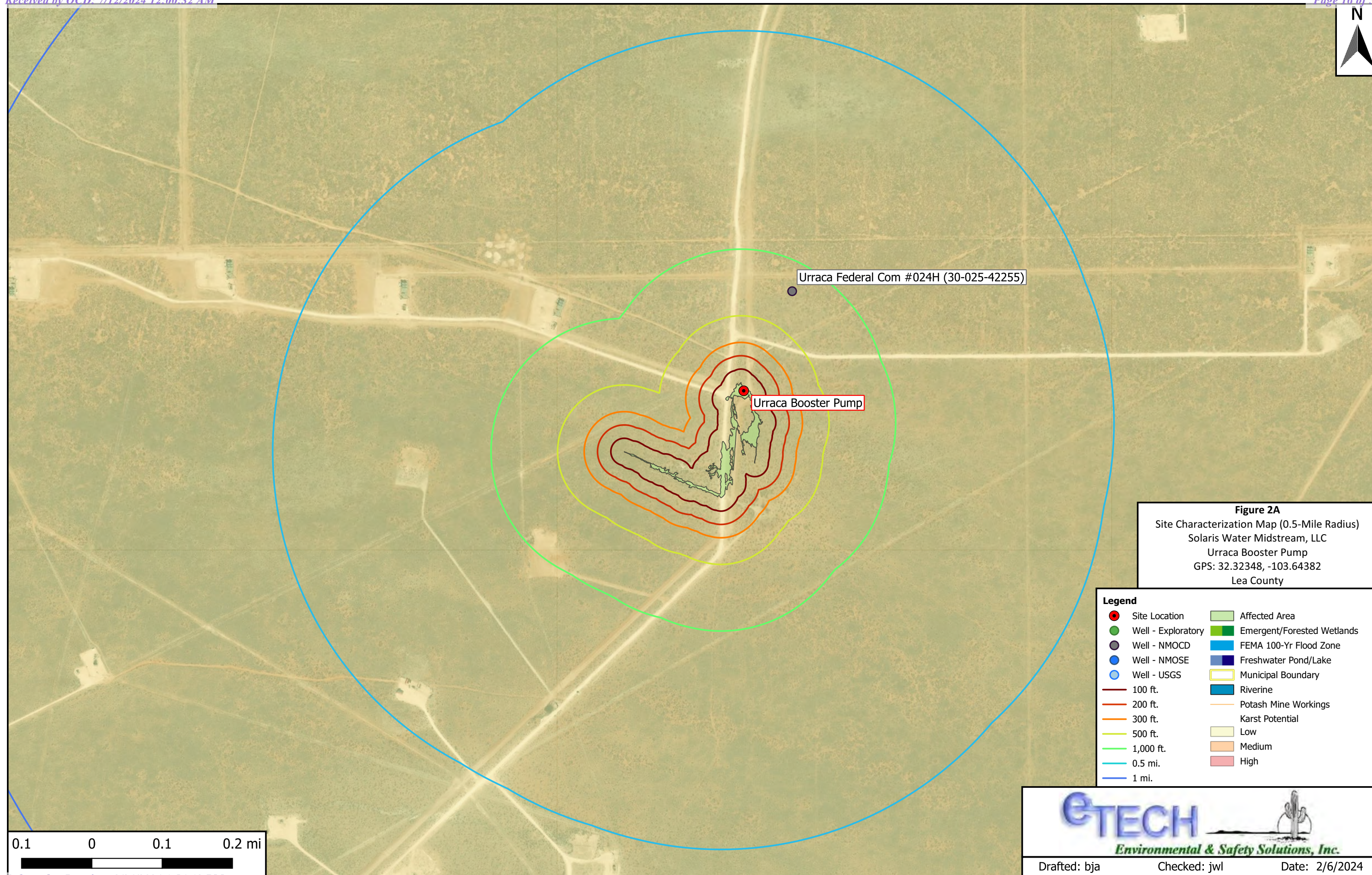


Figure 2A
Site Characterization Map (0.5-Mile Radius)
Solaris Water Midstream, LLC
Urraca Booster Pump
GPS: 32.32348, -103.64382
Lea County

- Legend**
- | | |
|--------------------|----------------------------|
| Site Location | Affected Area |
| Well - Exploratory | Emergent/Forested Wetlands |
| Well - NMOCD | FEMA 100-Yr Flood Zone |
| Well - NMOSE | Freshwater Pond/Lake |
| Well - USGS | Municipal Boundary |
| 100 ft. | Riverine |
| 200 ft. | Potash Mine Workings |
| 300 ft. | Karst Potential |
| 500 ft. | Low |
| 1,000 ft. | Medium |
| 0.5 mi. | High |
| 1 mi. | |



Drafted: bja Checked: jwl Date: 2/6/2024

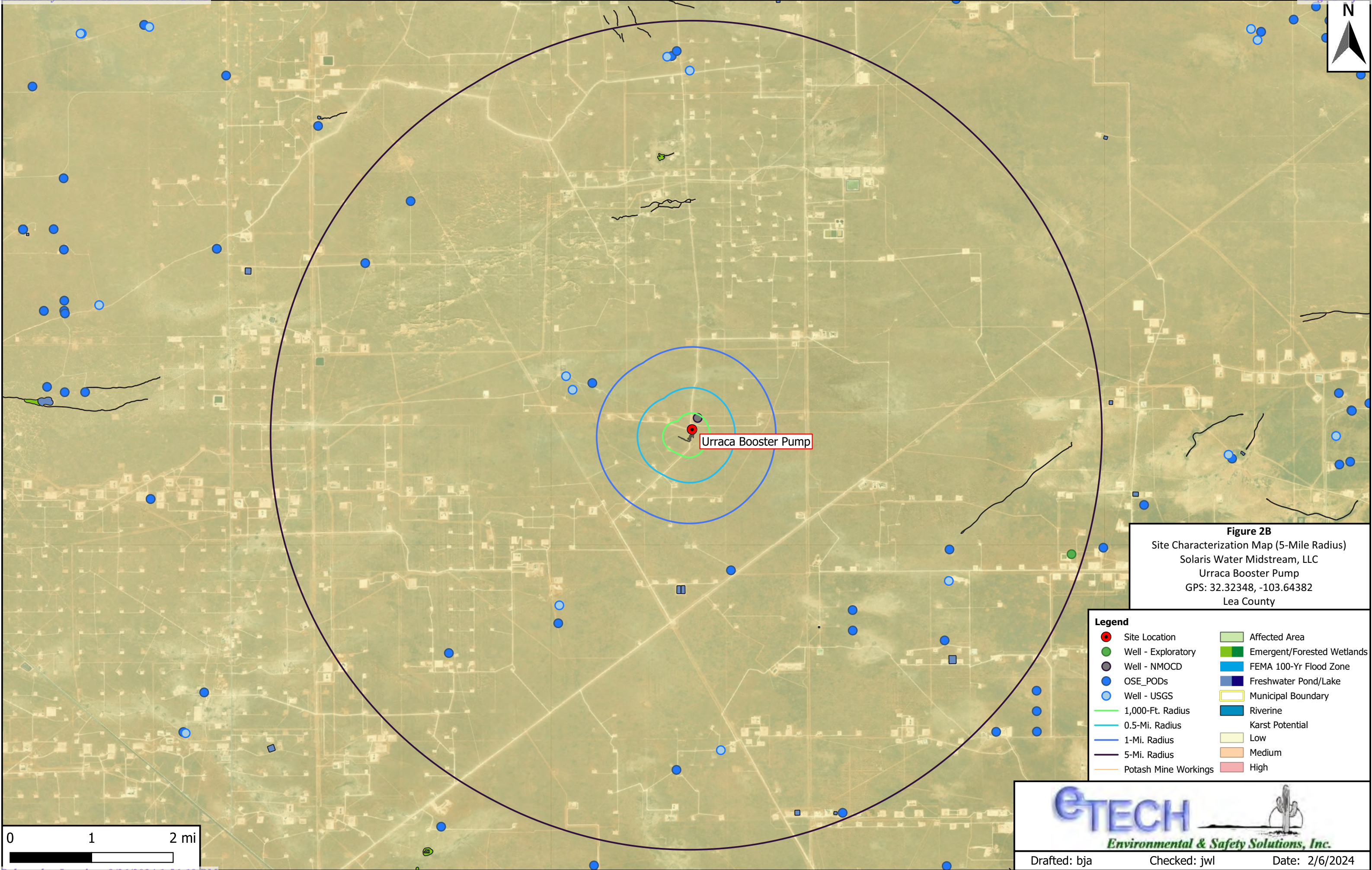


Figure 3

Sample Location Map




<p>Legend</p> <ul style="list-style-type: none"> Composite Floor Sample↔ Composite Wall Sample Excavation Extent (122,706 ft²)	<p align="center">Figure 3 Sample Location Map Solaris Water Midstream, LLC Urruca Booster Pump GPS: 32.32348, -103.64382 Lea County, NM</p>	<div align="center"><p>ETECH Environmental & Safety Solutions, Inc.</p></div> <table border="0" style="width: 100%;"><tr><td>Drafted: mag</td><td>Revised: bja</td><td>Date: 6/27/2024</td></tr></table>	Drafted: mag	Revised: bja	Date: 6/27/2024
Drafted: mag	Revised: bja	Date: 6/27/2024			

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Urraca Booster Pump NMOCD Ref. #: nAPP2310130251											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
NH1 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH1 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH1 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
EH1 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH1 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	13.2	13.2	<10.0	13.2	32.0
SH1 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH2 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH2 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH1 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH1 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH2 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH2 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH3 @ Surface	5/22/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH3 @ 1'	5/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP 1 @ 4	10/4/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
SP 1 @ 11	10/4/2023	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	896
SP 2 @ 4	10/4/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,200
SP 2 @ 7	10/4/2023	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SP 3 @ 4	10/4/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
SP 3 @ 11	10/4/2023	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
V1 @ Surface	5/22/2023	0	Excavated	<0.050	<0.300	<10.0	765	765	156	921	6,000
V1 @ 3'-R	5/23/2023	3	In-Situ	<0.050	<0.300	<10.0	83.5	83.5	18.0	102	1,410
V2 @ Surface	5/22/2023	0	Excavated	<0.050	<0.300	14.2	1,600	1,610	360	1,970	5,520
V2 @ 2'-R	5/23/2023	2	Excavated	<0.050	<0.300	12.3	3,790	3,800	875	4,680	4,880
V3 @ Surface	5/23/2023	0	Excavated	<0.050	<0.300	<10.0	295	295	89.3	384	320
V3 @ 2'-R	5/23/2023	2	Excavated	<0.050	<0.300	<10.0	74.0	74.0	13.6	87.6	7,800
V4 @ Surface	5/22/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
V4 @ 2'-R	5/22/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
V5 @ Surface	5/22/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
V5 @ 2'-R	5/22/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
Excavation Samples (Composite)											
FL 1 @ 2'	4/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,680
FL 2 @ 2'	4/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 3 @ 2'	4/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,040
FL 4 @ 2'	4/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL 5 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
FL 6 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 7 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,460
FL 8 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 9 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 10 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 11 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
FL 12 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,240

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Solaris Water Midstream, LLC
Urraca Booster Pump
NMOCD Ref. #: nAPP2310130251

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 13 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
FL 14 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240
FL 15 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,410
FL 16 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	11.8	11.8	<10.0	11.8	3,600
FL 17 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
FL 18 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FL 19 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 20 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,800
FL 21 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 22 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 23 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 24 @ 2.5'	4/10/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL 25 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 26 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,740
FL 27 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 28 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 29 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 30 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
FL 31 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 32 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL 33 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL 34 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,480
FL 35 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,330
FL 36 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,440
FL 37 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 38 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,080
FL 39 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL 40 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,480
FL 41 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL 42 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,920
FL 43 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,360
FL 44 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 45 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL 46 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 47 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL 48 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,630
FL 49 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 50 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
FL 51 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
FL 52 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 53 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 54 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 55 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 56 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Solaris Water Midstream, LLC
Urraca Booster Pump
NMOCD Ref. #: nAPP2310130251

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 57 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
FL 58 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,920
FL 59 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 60 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	896
FL 61 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 62 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
FL 63 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 64 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	16.0	16.0	<10.0	16.0	2,440
FL 65 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 66 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 67 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 68 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 69 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 70 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,480
FL 71 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 72 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 73 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 74 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 75 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,800
FL 76 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
FL 77 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,560
FL 78 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 79 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
FL 80 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
FL 81 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FL 82 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 83 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 84 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 85 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520
FL 86 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 87 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 88 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,720
FL 89 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,960
FL 90 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 91 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 92 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 93 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 94 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL 95 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,720
FL 96 @ 2.5'	4/12/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 97 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
FL 98 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,720
FL 99 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 100 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Solaris Water Midstream, LLC
Urraca Booster Pump
NMOCD Ref. #: nAPP2310130251

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 101 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 102 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 103 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 104 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 105 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 106 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 107 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 108 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 109 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,570
FL 110 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 111 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 113 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 114 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 115 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 116 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 117 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 118 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
FL 119 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
FL 120 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,550
FL 121 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 122 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 123 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 124 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 125 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 126 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 127 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 128 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 129 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL 130 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,570
FL 131 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,180
FL 132 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
FL 133 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520
FL 134 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 135 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 136 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL 137 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 138 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 139 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 140 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 141 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 142 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 143 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 144 @ 2.5'	4/15/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 145 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	1,280	1,280	358	1,640	560

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Solaris Water Midstream, LLC
Urraca Booster Pump
NMOCD Ref. #: nAPP2310130251

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 146 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 147 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	81.0	81.0	<10.0	81.0	2,000
FL 148 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL 149 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 150 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,880
FL 151 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	39.6	39.6	<10.0	39.6	1,800
FL 152 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 153 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 154 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL 155 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	23.9	23.9	<10.0	23.9	960
FL 156 @ 3'	4/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL 157 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 158 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 159 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 160 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 161 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	41.3	41.3	<10.0	41.3	2,280
FL 162 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
FL 163 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	1,500	1,500	461	1,960	544
FL 164 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 165 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 166 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 167 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 168 @ 2.5'	4/16/2024	2.5	In-Situ	<0.050	<0.300	<10.0	45.8	45.8	<10.0	45.8	3,000
FL 169 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 170 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
FL 171 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,920
FL 172 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,880
FL 173 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
FL 174 @ 2'	4/24/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,720
FL 175 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	816
FL 176 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 177 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
FL 178 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,880
FL 179 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 180 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 181 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 182 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 183 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 184 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,280
FL 185 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
FL 186 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240
FL 187 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 188 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,200
FL 189 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Urraca Booster Pump NMOCD Ref. #: nAPP2310130251											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 190 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 191 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,120
FL 192 @ 3'	4/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 193 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 194 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 195 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 196 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,730
FL 197 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 198 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 199 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 200 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
FL 201 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 202 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 203 @ 2'	4/23/2024	2	In-Situ	<0.050	<0.300	<10.0	74.4	74.4	<10.0	74.4	1,960
FL 204 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,960
FL 205 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
FL 206 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,150
FL 207 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
FL 208 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 209 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL 210 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 211 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,010
FL 212 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,720
FL 213 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,360
FL 214 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 215 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 216 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 217 @ 2'	4/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 218 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 219 @ 1'	5/10/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 220 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 221 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 222 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 223 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 224 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 225 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 226 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 227 @ 2'	5/10/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 228 @ 1'	5/10/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 229 @ 1.5'	5/10/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FL 230 @ 1.5'	5/10/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 231 @ 1.5'	5/10/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 232 @ 1.5'	5/10/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 233 @ 1.5'	5/10/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Solaris Water Midstream, LLC
Urraca Booster Pump
NMOCD Ref. #: nAPP2310130251

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 234 @ 2'	5/13/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 235 @ 2'	5/13/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 236 @ 2'	5/13/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 1	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 2	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 3	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
NW 4	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 5	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 6	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 7	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 8	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
NW 9	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 10	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
NW 11	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 12	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 13	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 14	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 15	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
NW 16	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 17	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 18	3/22/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 19	3/22/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 20	5/10/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 21	5/13/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 1	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
EW 2	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 3	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 4	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 5	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
EW 6	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 7	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 8	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 9	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 10	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 11	3/21/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 12	3/21/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 13	3/27/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EW 14	3/28/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 15	3/28/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 16	4/2/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
EW 17	4/2/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 18	4/3/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 19	4/3/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 20	4/3/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Urraca Booster Pump NMOCD Ref. #: nAPP2310130251											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EW 21	4/8/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 22	4/8/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 23	4/8/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 24	4/8/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 25	4/8/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 2	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 3	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 4	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 5	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 6	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 7	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SW 8	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW 9	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 10	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 11	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW 12	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SW 13	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 14	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 15	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 16	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SW 17	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 18	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 19	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 20	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 21	3/20/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW 22	3/25/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 23	3/25/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 24	3/28/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 25	4/8/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
SW 26	5/10/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 27	5/13/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 1	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 2	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 3	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 4	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 5	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 6	3/4/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 7	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 8	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 9	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 10	3/12/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 11	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 12	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Urraca Booster Pump NMOCD Ref. #: nAPP2310130251											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
WW 13	3/19/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 14	3/27/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 15	3/27/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 16	3/28/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 17	3/28/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 18	3/28/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 19	4/2/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 20	4/2/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 21	4/2/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 22	4/3/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 23	5/10/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 24	5/10/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 25	5/10/2024	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 26	5/10/2024	0-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 27	5/13/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
RISER NW 1	4/8/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
RISER EW 1	4/8/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
RISER WW 1	4/8/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
Backfill Sample (Composite)											
BF-01	4/18/2024	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 0.5-Mi. Radius
- 1-Mi. Radius
- Affected Area

Figure 4

Inferred Depth to Groundwater Map
 Solaris Water Midstream, LLC
 Urraca Booster Pump
 GPS: 32.32348, -103.64382
 Lea County



Drafted: bja

Checked: jwl

Date: 2/6/24

Application to Drill
Urraca Federal Com 24H
 Cimarex Energy Co.
 UL: B, Sec. 11, 23S, 32E
 Lea Co., NM

Extracted from the "Application
 for Permit to Drill or Reenter" for
 NMOCD Well #30-025-42255,
 dated February 26, 2014.

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. **Location:** SHL 330' FNL 1750' FEL
 BHL 330' FSL 1325' FEL
2. **Elevation Above Sea Level:** 3,724' GR
3. **Geologic Name of Surface Formation:** Quaternary Alluvium Deposits
4. **Drilling Tools and Associated Equipment:** Conventional rotary drilling rig using fluid as a circulating medium for solids removal
5. **Proposed Drilling Depth:** 14,138 MD 9,700 TVD Pilot Hole TD: N/A
6. **Estimated Tops of Geological Markers:**

Formation	Est Top	Bearing
Rustler	1180	N/A
Salt	1410	N/A
Castille	3550	N/A
Base Last Salt	4635	N/A
Lamar	4900	N/A
Bell Canyon	4955	N/A
Cherry Canyon	5865	N/A
Brushy Canyon	7150	Hydrocarbons
Bone Spring	8800	Hydrocarbons
Avalon Shale	9330	Hydrocarbons

7. **Possible Mineral Bearing Formation:** Shown above

7A. OSE Ground Water Estimated Depth: 550'

8. Casing Program:

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation (1.125)	Collapse SF at 1/3 Evacuation (1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	1230	1230	17 1/2	13-3/8"	48.00	H-40	ST&C	New	530	8.3	1.39		3.26	59,040	51,559	6.25
Intermediate	0	4920	4920	12 1/4	9-5/8"	40.00	J-55	LT&C	New	2558	10.0		1.53	1.54	196,800	166,754	3.12
Production	0	9223	9223	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4316	9.0	1.46		1.79	164,900	142,242	2.38
Production	9223	14138	9700	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4539	9.0	1.39		1.71	8,109	6,995	56.76

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02349		CUB	ED	2	3	03	23S	32E		625678	3578004*	2171	525		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 627651.81

Northing (Y): 3577099.81

Radius: 3220

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


11/30/23 6:24 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02349	2	3	03	23S	32E	625678	3578004*	
<hr/>									
Driller License:		Driller Company:							
Driller Name:									
Drill Start Date:		04/14/1930		Drill Finish Date:		04/14/1930		Plug Date:	
Log File Date:				PCW Rcv Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 5 GPM	
Casing Size:		8.00		Depth Well:		525 feet		Depth Water:	
<hr/>									

*UTM location was derived from PLSS - see Help

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4/13/23 9:04 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

DCL Declaration of a Water Right

Transaction Number: 154820**Transaction Desc:** C 02349**File Date:** 09/09/1998**Primary Status:** DCL Declared**Secondary Status:** PRC Processed**Person Assigned:** *******Applicant:** CHARLES F. JAMES

Events

Date	Type	Description	Comment	Processed By
09/09/1998	APP	Application Received		*****
09/09/1998	FTN	Finalize non-published Trans.		*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 02349	0	3		STK 72-12-1 LIVESTOCK WATERING

**Point of Diversion

C 02349	625678	3578004*	
---------	--------	----------	--

An () after northing value indicates UTM location was derived from PLSS - see Help

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TRANSACTION
SUMMARY



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Groundwater**Geographic Area:**
United States

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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)**Search Results -- 1 sites found**

Agency code = usgs

site_no list =

- 321950103400601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload**USGS 321950103400601 23S.32E.03.31110**

Lea County, New Mexico

Latitude 32°19'50", Longitude 103°40'06" NAD27

Land-surface elevation 3,668 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1972-09-13		D	72019	204.18			1	Z			A
1977-03-10		D	72019	213.85			1	Z			A
1981-03-26		D	72019	197.34			1	Z			A
1986-04-16		D	72019	196.65			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs
site_no list =

- 321952103400801

Minimum number of levels = 1
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USGS 321952103400801 23S.32E.03.311114

Lea County, New Mexico
Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 630 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data											
Tab-separated data											
Graph of data											
Reselect period											

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-09			D 72019	420.57			1	Z			A
1981-03-26			D 72019	438.34			P	Z			A
1981-05-21			D 72019	437.67			1	Z			A
1986-04-17			D 72019	438.68			1	Z			A
1991-05-30			D 72019	437.93			1	Z			A
1992-11-05			D 72019	438.12			1	S			A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1996-03-15		D	72019	437.82			1	S			A
2013-01-17	01:00 UTC	m	72019	486.60			P	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.31 0.24 nadww01

Appendix B

Field Data



Sample Log

Date: 10/2/23

Project:

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
SP #1. ① Surface	-	5904	
SP #1. ② 1ft	-	2588	
SP #1. ③ 2ft	-	2588	
SP #1. ④ 3ft	-	2400	
SP #1. ⑤ 4ft	-	1816	
SP #1. ⑥ 5ft	-	900	
SP #1. ⑦ 6ft	-	2400	
SP #1. ⑧ 7ft	-	2588	
SP #1. ⑨ 8ft	-	3680	
SP #1. ⑩ 9ft	-	900	
SP #1. ⑪ 10ft	-	708	
SP #1. ⑫ 11ft	-	708	
SP #1. ⑬ 12ft	-	708	
SP2 @ Sur	-	900	
SP2 @ 1	-	3,768	
SP2 @ 2	-	4,448	
SP2 @ 3	-	3,388	
SP2 @ 4	-	2,232	
SP2 @ 5	-	1,292	
SP2 @ 6	-	1,124	
SP2 @ 7	-	248	
SP2 @ 8	-	198	
SP3 @ Sur	-	648	
SP3 @ 1	-	2588	
SP3 @ 2	-	2400	
SP3 @ 3	-	2400	
SP3 @ 4	-	2232	
SP3 @ 5	-	2588	
SP3 @ 6	-	2400	
SP3 @ 7	-	1,816	
SP3 @ 8	-	1,292	
SP3 @ 9	-	2588	
SP3 @ 10	-	768	
SP3 @ 11	-	280	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



TS 1-7.2
TS 2-6.0
TS 3-6.6
TS 4-6.0
TS 5-7.0

Sample Log

Date: 3-1-24

Project: Urraca Booster Pump

Project Number: 17918Latitude: 32.32348Longitude: -103.64382

Sample ID	PID/Odor	Chloride Conc.	GPS
EW1 2.6	None	292	
EW2 2.2	—	228	
EW3 6.8	—	1732	
EW3 2.0	—	196	
WW2 2.0	—	196	
SW4 1.4	—	120	
EW4 4.4	—	716	
WW1 4.6	—	776	
EW4 2.0	—	196	
WW1 2.2	—	228	
EW5 3.6	—	500	
SW3 2.0	—	196	
WW 3.8	—	552	
SW1 1.4	—	120	
WW3 1.4	—	120	
WW4 3.2	—	412	
NW1 1.4	—	120	
WW5 3.2	—	412	
EW6 1.4	—	120	
SW5 3.2	—	412	
WW6 3.8	—	552	
EW7 2.8	—	336	
WW7 3.0	—	368	
EW8 2.0	—	196	
WW8 2.0	—	196	
EW9 2.4	—	260	
WW9 1.8	—	172	
EW10 2.0	—	196	
WW10 2.2	—	228	
SW6 1.4	—	120	
NW2 5.0	—	908	
NW2 2.0	—	196	
NW3 3.2	—	412	
SW7 3.0	—	368	
NW4 3.0	—	368	
SW8 3.0	—	368	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 3-14-24

Project: Urraca Booster Pump

Project Number: 17918Latitude: 32.32348Longitude: -103.64382

Sample ID	PID/Odor	Chloride Conc.	GPS
SW 9	3.0	368	
NW 5	3.6	500	
SW 10	3.8	552	
NW 6	2.0	196	
SW 11	3.0	368	
NW 7	2.2	228	
SW 12	3.0	368	
NW 8	3.4	456	
SW 13	2.2	228	
NW 9	2.0	196	
WW 11	2.0	196	
SW 14	3.2	412	
NW 10	3.0	368	
NW 11	5.0	908	
SW 15	4.8	840	
WW 12	3.0	368	
NW 11	3.0	368	
SW 15	1.4	120	
NW 12	2.0	194	
SW 16	2.4	260	
NW 13	2.8	336	
SW 17	3.0	368	
WW 13	2.6	292	
SW 18	3.0	368	
NW 14	1.4	120	
SW 19	2.0	194	
NW 15	1.4	120	
NW 16	2.4	260	
SW 20	2.0	194	
NW 17	2.0	194	
SW 21	1.4	120	
EW 12	3.0	368	
EW 13	3.0	368	
NW 18	2.8	336	
NW 19	3.4	456	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 3-25-24

Project: Urraca Booster Pump

Project Number: 17918

Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
SW 22	3.2	412	
SW 22	3.0	368	
WW 14	3.4	456	
WW 15	3.0	368	
EW 13	3.0	368	
SW 24	3.0	368	
WW 16	2.8	336	
EW 14	2.8	336	
EW 15	2.8	336	
WW 17	2.0	196	
WW 18	2.8	336	
EW 16	5.2	968	
EW 16	4.0	608	
EW 16	2.6	292	
WW-19	4.2	652	
WW-19	2.0	196	
WW 20	3.6	500	
EW 17	3.4	500	
WW 21	2.8	336	
FW 18	3.0	368	
WW 22	2.8	336	
EW-19	1.8	172	
EW 20	2.0	196	
Riser EW1	1.8	168	
Riser NW1	1.8	168	
Riser WW1	2.0	196	
grab sample Riser 2	9.0	2580	
grab sample Riser 2	5.0	896	
EW-21	2.0	196	
EW-22	2.0	196	
EW-23	1.6	140	
EW-24	2.0	196	
EW-25	1.8	168	
SW-25	3.2	408	
Road #1	6.0	1284	
Road #2	4.8	832	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 4.9.24

Project: Urraca Booster Pump

Project Number: 17918

Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
Road #3	6.2	1372	
Road #4	7	1800	
Road #5	5.4	1040	
Road #6	5.6	1116	
Road #7	10	1284	
Road #8	6.4	1468	
Road #9	7	1800	
FL 218 @ 2	2.8	336	
FL 219 @ 1	5.0	908	
FL 220 @ 2	5.4	1068	
FL 221 @ 2	5.2	1028	
FL 222 @ 2	4.6	776	
FL 223 @ 2	5.2	1028	
FL 224 @ 2	5.4	1068	
FL 225 @ 1	4.4	716	
NW 20	3.0	368	
FL 226 @ 2	4.6	1028	
FL 227 @ 2	5.0	908	
FL 228 @ 1	5.0	908	
FL 229 @ 1 1/2	6.2	1256	
FL 230			
FL 231			
FL 232			
FL 233			
WW 23	2.6	292	
WW 24	2.8	336	
WW 25	3.2	412	
WW 26	3.0	368	
SW 26	3.2	412	
SW 27	2.2	228	
NW 21	2.4	260	
WW 27	2.6	292	
FL 236 @ 2	2.8	336	
FL 237 @ 2	2.8	336	
FL 238 @ 2	2.2	228	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log



Photo Number: 1	<div><div><div>DIRECTION32.32344°N327 deg(T)103.64369°WACCURACY 5 mDATUM WGS84</div><div>Taken WithContext Camera2023-04-1008:50:37-06:00</div></div></div>
Photo Direction: West-Northwest	
Photo Description: Point of release.	

Photo Number: 2	<div><div><div>DIRECTION32.32342°N254 deg(T)103.64374°WACCURACY 5 mDATUM WGS84</div><div>Taken WithContext Camera2023-04-1008:51:12-06:00</div></div></div>
Photo Direction: West-Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number:	DIRECTION	32.32234°N	ACCURACY 5 m
3	354 deg(T)	103.64351°W	DATUM WGS84
Photo Direction:			
North			
Photo Description:			
View of the affected area.	<div style="position: absolute; bottom: 10px; right: 10px;"> <p>Taken With Context Camera</p> <p>2023-04-10 09:01:38-06:00</p> </div>		

Photo Number: 4	<div> <div> <div>DIRECTION</div> <div>3 deg(T)</div> </div> <div> <div>32.32138°N</div> <div>103.64435°W</div> </div> <div> <div>ACCURACY 5 m</div> <div>DATUM WGS84</div> </div> </div>
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log




Photo Number: 5	<div><div>DIRECTION341 deg(T)32.32135°N103.64437°WACCURACY 5 mDATUM WGS84</div></div>
Photo Direction: North-Northwest	
Photo Description: View of the affected area.	

Photo Number: 6	<div><div>Apr 12, 2023 at 10:37:06 AM+32.379750,-103.645112 ±5.00m136° SE</div></div>
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>Apr 12, 2023 at 10:37:10 AM +32.379750,-103.645112 ±5.00m 99° E</p>
Photo Direction: East	
Photo Description: View of the affected area.	

Photo Number: 8	 <p>Apr 12, 2023 at 10:37:21 AM +32.379750,-103.645112 ±5.00m 16° N</p>
Photo Direction: North-Northeast	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 9	
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photo Number: 10	
Photo Direction: East-Southeast	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 11	 <div>Apr 12, 2023 at 12:40:48 PM +32.322168,-103.646450 ±5.00m 283° W</div>
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photo Number: 12	 <div>Apr 12, 2023 at 12:44:24 PM +32.321640,-103.645264 ±46.29m 97° E</div>
Photo Direction: East	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 13	
Photo Direction: North	
Date: 4/8/2024	
Coordinates: 32.320619,-103.644381	
Photo Description: Aerial view of the excavated area.	

Photo Number: 14	
Photo Direction: Northwest	
Date: 4/8/2024	
Coordinates: 32.320656,-103.643372	
Photo Description: Aerial view of the excavated area.	

Photographic Log



Photo Number: 15	
Photo Direction: Northwest	
Date: 4/8/2024	
Coordinates: 32.320656,-103.643372	
Photo Description: Aerial view of the excavated area.	

Photo Number: 16	
Photo Direction: South	
Date: 4/8/2024	
Coordinates: 32.323831,-103.643901	
Photo Description: Aerial view of the excavated area.	

Photographic Log



Photo Number: 17	
Photo Direction: South-Southwest	
Date: 5/14/2024	
Coordinates: 32.323794,-103.643498	
Photo Description: Aerial view of the remediated area after backfill and regrading.	

Photo Number: 18	
Photo Direction: South-Southwest	
Date: 5/14/2024	
Coordinates: 32.322840,-103.643947	
Photo Description: Aerial view of the remediated area after backfill and regrading.	

Photographic Log



Photo Number: 19	
Photo Direction: South-Southwest	
Date: 5/14/2024	
Coordinates: 32.322102,-103.644219	
Photo Description: Aerial view of the remediated area after backfill and regrading.	

Photo Number: 20	
Photo Direction: Southwest	
Date: 5/14/2024	
Coordinates: 32.322146,-103.645068	
Photo Description: Aerial view of the remediated area after backfill and regrading.	

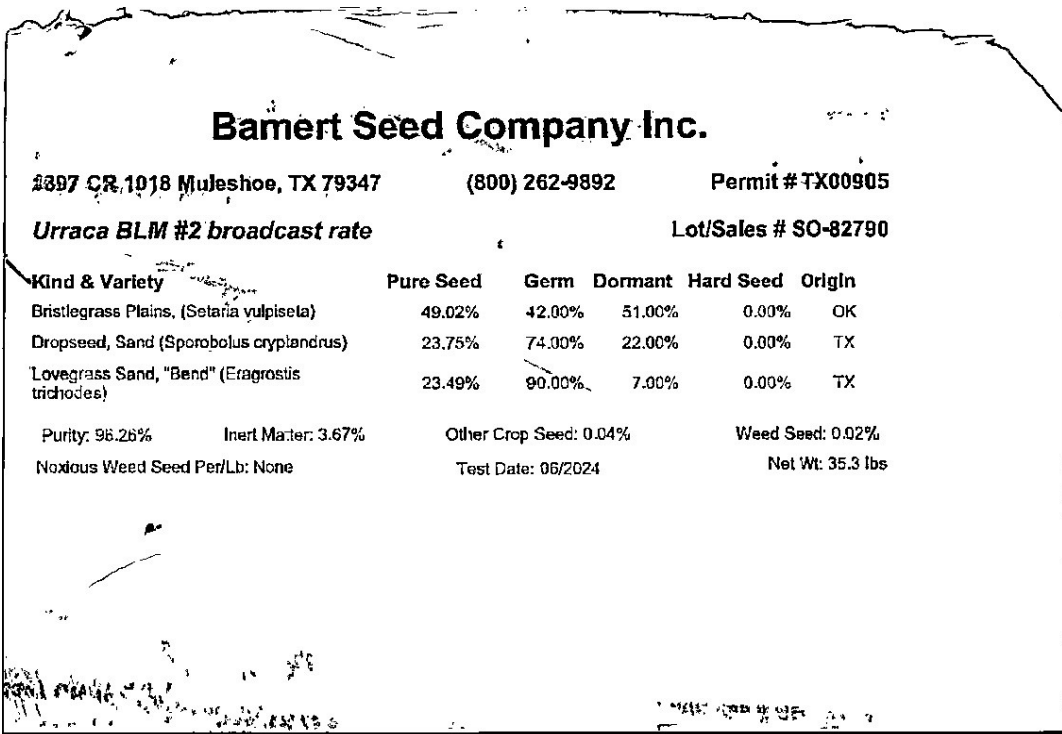
Photographic Log

Photo Number: 21	
Photo Direction: Southeast	
Photo Description: View of the reclaimed area prior to seeding event.	

Photo Number: 22	
Photo Direction: East	
Photo Description: View of the reclaimed area prior to seeding event.	

Photographic Log

Photo Number: 23	
Photo Direction: North-Northeast	
Photo Description: View of the reclaimed area following seeding event.	

Photo Number: 24	
Photo Direction: N/A	
Photo Description: BLM #2 seed tag.	

Appendix D

Laboratory Analytical Reports



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

May 30, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 05/25/23 13:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ SURFACE (H232668-01)

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	05/25/2023	ND	2.10	105	2.00	3.02	
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29	
Total BTEX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ 1' (H232668-02)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH 1 @ SURFACE (H232668-03)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	192	16.0	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH 1 @ 1' (H232668-04)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ SURFACE (H232668-05)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	13.2	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ 1' (H232668-06)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 2 @ SURFACE (H232668-07)

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	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 2 @ 1' (H232668-08)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 1 @ SURFACE (H232668-09)

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	05/25/2023	ND	2.21	111	2.00	2.06	
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54	
Total BTEX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 1 @ 1' (H232668-10)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 2 @ SURFACE (H232668-11)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 2 @ 1' (H232668-12)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 1 @ SURFACE (H232668-13)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	6000	16.0	05/25/2023	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	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	765	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	156	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 1 @ 3' - R (H232668-14)

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	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	1410	16.0	05/25/2023	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	05/26/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	83.5	10.0	05/26/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	18.0	10.0	05/26/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ SURFACE (H232668-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	5520	16.0	05/25/2023	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*	14.2	10.0	05/26/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	1600	10.0	05/26/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	360	10.0	05/26/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 2' - R (H232668-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	4880	16.0	05/25/2023	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*	12.3	10.0	05/26/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	3790	10.0	05/26/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	875	10.0	05/26/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 3 @ SURFACE (H232668-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	320	16.0	05/25/2023	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	05/26/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	295	10.0	05/26/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	89.3	10.0	05/26/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 3 @ 2' - R (H232668-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	7800	16.0	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	74.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	13.6	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ SURFACE (H232668-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	12400	16.0	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ 2' - R (H232668-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	160	16.0	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 5 @ SURFACE (H232668-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.21	111	2.00	2.06		
Toluene*	<0.050	0.050	05/25/2023	ND	2.17	108	2.00	2.79		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.11	106	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.41	107	6.00	1.54		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	18800	16.0	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 5 @ 2' - R (H232668-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEx	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 3 @ SURFACE (H232668-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.06	103	2.00	3.82		
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/25/2023
 Reported: 05/30/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 3 @ 1' (H232668-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEx	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	05/25/2023	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	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1/3

Company Name: Etech Environmental & Safety Solutions				BILL TO				ANALYSIS REQUEST														
Project Manager: Joel Lowry				P.O. #: Solaris																		
Address: 3100 Plains Hwy				Company: Etech Environmental																		
City: Lovington		State: NM		Zip: 88260		Attn: #N/A																
Phone #: 575-396-2378		Fax #: 575-396-1429		Address: P.O. Box 301																		
Project #: 17918		Project Owner: Solaris		City: Lovington																		
Project Name: Urraca Booster Pump				State: NM Zip: 88260																		
Project Location: Rural Lea Co. NM				Phone #: 575-396-2378																		
Sampler Name: Miguel Ramirez				Fax #: 575-396-1429																		
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING														
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX 8021					
H2321668																						
1	NH1 @ surface	G	1			X				X			5/22/23	10:15	X	X	X					
2	NH1 @ 1'	G	1			X				X			5/22/23	10:30	X	X	X					
3	EH1 @ surface	G	1			X				X			5/22/23	10:45	X	X	X					
4	EH1 @ 1'	G	1			X				X			5/22/23	11:00	X	X	X					
5	SH1 @ surface	G	1			X				X			5/22/23	11:15	X	X	X					
6	SH1 @ 1'	G	1			X				X			5/22/23	11:30	X	X	X					
7	SH2 @ surface	G	1			X				X			5/22/23	11:45	X	X	X					
8	SH2 @ 1'	G	1			X				X			5/22/23	12:00	X	X	X					
9	WH1 @ surface	G	1			X				X			5/22/23	12:15	X	X	X					
10	WH1 @ 1'	G	1			X				X			5/22/23	12:30	X	X	X					

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Relinquished By:	Date: 5-25-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1310		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to #N/A	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: -9.3c/-9.98		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

3/3

Page 29 of 29

Company Name: Etech Environmental & Safety Solutions				BILL TO				ANALYSIS REQUEST																
Project Manager: Joel Lowry				P.O. #: Solaris																				
Address: 3100 Plains Hwy				Company: Etech Environmental																				
City: Lovington		State: NM		Zip: 88260		Attn: #N/A																		
Phone #: 575-396-2378		Fax #: 575-396-1429		Address: P.O. Box 301																				
Project #: 17918		Project Owner: Solaris		City: Lovington																				
Project Name: Urraca Booster Pump				State: NM		Zip: 88260																		
Project Location: Rural Lea Co., NM				Phone #: 575-396-2378																				
Sampler Name: Miguel Ramirez				Fax #: 575-396-1429																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX 8021							
H2324668																								
21	V5@ surface	G	1			X					X		5/22/23	2:15	X	X	X							
22	V5@ 2' R	G	1			X					X		5/24/23	2:30	X	X	X							
23	WH3@ surface	G	1			X					X		5/24/23	2:45	X	X	X							
24	WH3@ 1'	G	1			X					X		5/22/23	3:00	X	X	X							

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Relinquished By:	Date: 5-25-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1310		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to #N/A	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: #113		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)	
		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Other <input type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

October 10, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 10/04/23 16:44.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/04/2023
 Reported: 10/10/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SP 2 @ 4 (H235413-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.10	105	2.00	4.23	
Toluene*	<0.050	0.050	10/06/2023	ND	2.11	105	2.00	4.40	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.00	100	2.00	3.97	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.00	100	6.00	3.65	
Total BTX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	3200	16.0	10/06/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	216	108	200	3.49	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	212	106	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/04/2023
 Reported: 10/10/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SP 2 @ 7 (H235413-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.10	105	2.00	4.23	
Toluene*	<0.050	0.050	10/06/2023	ND	2.11	105	2.00	4.40	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.00	100	2.00	3.97	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.00	100	6.00	3.65	
Total BTEx	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	240	16.0	10/06/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	216	108	200	3.49	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	212	106	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/04/2023
 Reported: 10/10/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SP 3 @ 4 (H235413-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.10	105	2.00	4.23	
Toluene*	<0.050	0.050	10/06/2023	ND	2.11	105	2.00	4.40	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.00	100	2.00	3.97	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.00	100	6.00	3.65	
Total BTEx	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	3360	16.0	10/06/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	216	108	200	3.49	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	212	106	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/04/2023
 Reported: 10/10/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SP 3 @ 11 (H235413-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/06/2023	ND	2.10	105	2.00	4.23		
Toluene*	<0.050	0.050	10/06/2023	ND	2.11	105	2.00	4.40		
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.00	100	2.00	3.97		
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.00	100	6.00	3.65		
Total BTEX	<0.300	0.300	10/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	256	16.0	10/06/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	216	108	200	3.49	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	212	106	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



• CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: JOEL LOWRY				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																	
Address: 2617 West Marland				Company Solaris																					
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																					
Phone #: (575) 264-9884 Fax #:				Address:																					
Project #: 17918 Project Owner: Solaris				City:																					
Project Name: Urraca Booster				State: Zip:																					
Project Location: Rural Eunice NM				Phone #:																					
Sampler Name: Dominic Casarez				Fax #:																					
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
H235413																									
DC 1	SP2 @ 4	C	1									10-4													
2	SP2 @ 7	C	1																						
3	SP3 @ 4	C	1																						
4	SP3 @ 11	C	1																						
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																									
Relinquished By: [Signature]				Date: 10-4				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:													
Time: 11:44				Date:				Time:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:													
Relinquished By:				Received By:				REMARKS:																	
Time:																									
Delivered By: (Circle One)				Sample Condition				CHECKED BY:				Please email copy of COC and results to pm@etechenv.com.													
Sampler - UPS - Bus - Other: 1.1c #140				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) [Signature]																	



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

October 18, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 10/12/23 14:52.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/12/2023
 Reported: 10/18/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 1 @ 4' (H235584-01)

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	10/14/2023	ND	1.94	97.0	2.00	0.799	
Toluene*	<0.050	0.050	10/14/2023	ND	1.93	96.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	10/14/2023	ND	2.03	102	2.00	5.34	
Total Xylenes*	<0.150	0.150	10/14/2023	ND	6.10	102	6.00	5.33	
Total BTX	<0.300	0.300	10/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	3080	16.0	10/13/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	180	90.1	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	200	100	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/12/2023
 Reported: 10/18/2023
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 10/04/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 1 @ 11' (H235584-02)

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	10/14/2023	ND	1.94	97.0	2.00	0.799		
Toluene*	<0.050	0.050	10/14/2023	ND	1.93	96.6	2.00	4.70		
Ethylbenzene*	<0.050	0.050	10/14/2023	ND	2.03	102	2.00	5.34		
Total Xylenes*	<0.150	0.150	10/14/2023	ND	6.10	102	6.00	5.33		
Total BTX	<0.300	0.300	10/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	896	16.0	10/13/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	180	90.1	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	200	100	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Solaris Water Midstream, LLC				BILL TO				ANALYSIS REQUEST															
Project Manager: Joel Lowry				P.O. #:																			
Address: 2617 W Marland Blvd				Company: Solaris Midstream																			
City: Hobbs		State: NM		Zip: 88240		Attn: Rob Kirk																	
Phone #: 575-396-2378		Fax #: 575-396-1429		Address:		City:																	
Project #: 17918		Project Owner: Solaris Water Midstream, LLC		State:		Zip:																	
Project Name: Urraca Booster Pump				Phone #:																			
Project Location: UL/ Sec TS - RE - <i>Lea County Rural</i>				Fax #:																			
Sampler Name: Dominic Casarez																							
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021						
<i>H235584</i>																							
	1 SP - 1 @ 4'	G	1			X				X			10/4/23		X	X	X						
	2 SP - 1 @ 11'	G	1			X				X			10/4/23		X	X	X						

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Relinquished By: Tamarah Kendrick	Date: 10/12/23 Time: 1452	Received By: <i>Tamarah Kendrick</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-7.1C</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <i>T.O.</i>	REMARKS: Email results to pm@etechenv.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
FORM-006 R 2.0



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

March 12, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 14:55.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H241173-01)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	192	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H241173-02)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H241173-03)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 4 (H241173-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 5 (H241173-05)

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	03/09/2024	ND	1.94	96.8	2.00	2.31		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93		
Total BTEx	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/11/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 6 (H241173-06)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H241173-07)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H241173-08)

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	03/09/2024	ND	1.94	96.8	2.00	2.31		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93		
Total BTEx	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/11/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	234	117	200	4.46	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	249	124	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H241173-09)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEx	<0.300	0.300	03/09/2024	ND					

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

Chloride, SM4500CI-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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 4 (H241173-10)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H241173-11)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 6 (H241173-12)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	128	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H241173-13)

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	03/09/2024	ND	1.94	96.8	2.00	2.31		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	48.0	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H241173-14)

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	03/09/2024	ND	1.94	96.8	2.00	2.31	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.98	99.0	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.02	100	6.00	1.93	
Total BTX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H241173-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2024	ND	2.05	102	2.00	5.07		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	4.74		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.00	99.9	2.00	5.05		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.82	97.0	6.00	5.06		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	<16.0	16.0	03/11/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H241173-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2024	ND	2.05	102	2.00	5.07		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	4.74		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.00	99.9	2.00	5.05		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.82	97.0	6.00	5.06		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	03/11/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 5 (H241173-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2024	ND	2.05	102	2.00	5.07		
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	4.74		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.00	99.9	2.00	5.05		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.82	97.0	6.00	5.06		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	32.0	16.0	03/11/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/07/2024
 Reported: 03/12/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H241173-18)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.05	102	2.00	5.07	
Toluene*	<0.050	0.050	03/09/2024	ND	2.02	101	2.00	4.74	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.00	99.9	2.00	5.05	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.82	97.0	6.00	5.06	
Total BTX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	248	124	200	4.10	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	227	113	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.						BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry						P.O. #:				<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> <div style="flex-grow: 1;"></div> </div>																		
Address: 2617 West Marland						Company Solaris Water Midstream																						
City: Hobbs State: NM Zip: 88240						Attn: Rob Kirk																						
Phone #: (575) 264-9884 Fax #:						Address:																						
Project #: 17918 Project Owner: Solaris						City:																						
Project Name: Urraca Booster Pump						State: NM Zip:																						
Project Location: 32.32348, -103.64382						Phone #:																						
Sampler Name: Dominic Casarez						Fax #:																						
FOR LAB USE ONLY		Lab I.D. 4241173		Sample I.D.		(GRAB OR C) COMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME																		
1	EW 1	C	1		X				X	3/4/24		X	X	X														
2	EW 2	C	1		X				X	3/4/24		X	X	X														
3	EW 3	C	1		X				X	3/4/24		X	X	X														
4	EW 4	C	1		X				X	3/4/24		X	X	X														
5	EW 5	C	1		X				X	3/4/24		X	X	X														
6	EW 6	C	1		X				X	3/4/24		X	X	X														
7	WW 1	C	1		X				X	3/4/24		X	X	X														
8	WW 2	C	1		X				X	3/4/24		X	X	X														
9	WW 3	C	1		X				X	3/4/24		X	X	X														
10	WW 4	C	1		X				X	3/4/24		X	X	X														

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Relinquished By: [Signature]	Date: 3-7-24	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 1455		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			

Please email results and copy of CoC to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -9.6	#140	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) [Signature]
---	------	---	--

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

March 22, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:45.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H241393-01)

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	03/20/2024	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807	
Total BTX	<0.300	0.300	03/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H241393-02)

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	03/19/2024	ND	1.92	96.2	2.00	2.37		
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	304	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 4 (H241393-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-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	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 5 (H241393-04)

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	03/19/2024	ND	1.92	96.2	2.00	2.37		
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67		
Total BTEx	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 (H241393-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 7 (H241393-06)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 8 (H241393-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	368	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	202	101	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	8.86	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6 (H241393-08)

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	03/19/2024	ND	1.92	96.2	2.00	2.37		
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67		
Total BTEx	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	202	101	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	8.86	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 7 (H241393-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	304	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	202	101	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	8.86	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 8 (H241393-10)

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	03/19/2024	ND	1.92	96.2	2.00	2.37		
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	192	16.0	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 9 (H241393-11)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 10 (H241393-12)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 11 (H241393-13)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	256	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 12 (H241393-14)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	320	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 7 (H241393-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 8 (H241393-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	187	93.5	200	0.348	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	204	102	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 9 (H241393-17)

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	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	64.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 10 (H241393-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 7 (H241393-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 8 (H241393-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37		
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	80.0	16.0	03/20/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 9 (H241393-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.92	96.2	2.00	2.37	
Toluene*	<0.050	0.050	03/19/2024	ND	2.01	101	2.00	2.56	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.99	99.4	2.00	2.93	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.03	101	6.00	2.67	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	80.0	16.0	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 10 (H241393-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	0.485	
Toluene*	<0.050	0.050	03/20/2024	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.04	102	2.00	0.652	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.16	103	6.00	0.151	
Total BTEX	<0.300	0.300	03/20/2024	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	03/20/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	194	97.0	200	2.19	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	103	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 25 of 27

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Address: 2617 West Marland				Company: Solaris Water Midstream																																							
City: Hobbs		State: NM		Zip: 88240		Attn: Rob Kirk																																					
Phone #: (575) 264-9884		Fax #:		Address:		City:																																					
Project #: 17918		Project Owner: Solaris		State: NM		Zip:																																					
Project Name: Urraca Booster Pump		Phone #:		Fax #:																																							
Project Location: 32.32348, -103.64382																																											
Sampler Name: Dominic Casarez																																											
FOR LAB USE ONLY																																											
<div style="display: flex;"> <div style="flex: 1;"> Lab I.D. H241393 </div> <div style="flex: 2;"> Sample I.D. </div> </div>				(G/RAB OR (C) COMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																													
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL:		OTHER:		DATE		TIME																			
1 NW 2				C		1		X								X		3/12/24								X		X		X													
2 NW 3				C		1		X								X		3/12/24								X		X		X													
3 NW 4				C		1		X								X		3/12/24								X		X		X													
4 NW 5				C		1		X								X		3/12/24								X		X		X													
5 NW 6				C		1		X								X		3/12/24								X		X		X													
6 NW 7				C		1		X								X		3/12/24								X		X		X													
7 NW 8				C		1		X								X		3/12/24								X		X		X													
8 SW 6				C		1		X								X		3/12/24								X		X		X													
9 SW 7				C		1		X								X		3/12/24								X		X		X													
10 SW 8				C		1		X								X		3/12/24								X		X		X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																											
Relinquished By:				Date: 5-18-24		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																															
				Time: 1445						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																													
Relinquished By:				Date:		Received By:		REMARKS:																																			
				Time:																																							
Delivered By: (Circle One)				#140		Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																													
Sampler - UPS - Bus - Other:				-7.25 TO		Cool Intact				(Initials)																																	
						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Jo.																																	

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

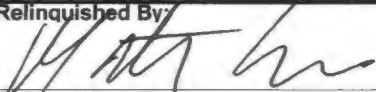
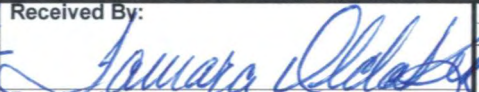



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																					
Address: 2617 West Marland				Company: Solaris Water Midstream																									
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																									
Phone #: (575) 264-9884 Fax #:				Address:																									
Project #: 17918 Project Owner: Solaris				City:																									
Project Name: Urraca Booster Pump				State: NM Zip:																									
Project Location: 32.32348, -103.64382				Phone #:																									
Sampler Name: Dominic Casarez				Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	DATE	TIME														
11	SW 9	C	1			X				X		3/12/24		X	X	X													
12	SW 10	C	1			X				X		3/12/24		X	X	X													
13	SW 11	C	1			X				X		3/12/24		X	X	X													
14	SW 12	C	1			X				X		3/12/24		X	X	X													
15	EW 7	C	1			X				X		3/12/24		X	X	X													
16	EW 8	C	1			X				X		3/12/24		X	X	X													
17	EW 9	C	1			X				X		3/12/24		X	X	X													
18	EW 10	C	1			X				X		3/12/24		X	X	X													
19	WW 7	C	1			X				X		3/12/24		X	X	X													
20	WW 8	C	1			X				X		3/12/24		X	X	X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By: 				Date: 3-18-24				Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: 1445								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By:				Date:				Received By:				REMARKS:																	
				Time:																									
Delivered By: (Circle One)				#140				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.													
Sampler - UPS - Bus - Other:				-726				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				(Initials) 																	

**ARDINAL LABORATORIES**

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

March 25, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 03/20/24 15:04.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 11 (H241457-01)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	160	16.0	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 12 (H241457-02)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 13 (H241457-03)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 9 (H241457-04)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEx	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 10 (H241457-05)

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	03/22/2024	ND	2.19	109	2.00	10.9		
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	176	16.0	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 11 (H241457-06)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 12 (H241457-07)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEx	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 13 (H241457-08)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-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	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 14 (H241457-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-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	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 13 (H241457-10)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	112	16.0	03/22/2024	ND	448	112	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69		
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 14 (H241457-11)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 15 (H241457-12)

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	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTEX	<0.300	0.300	03/22/2024	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	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 16 (H241457-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.19	109	2.00	10.9	
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/22/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	185	92.7	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	176	88.1	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 17 (H241457-14)

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	03/22/2024	ND	2.19	109	2.00	10.9		
Toluene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	5.75		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.37	118	2.00	6.06		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.23	120	6.00	6.10		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 18 (H241457-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEx	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-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	03/22/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: 2617 West Marland				Company: Solaris Water Midstream																									
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																									
Phone #: (575) 264-9884 Fax #:				Address:																									
Project #: 17918 Project Owner: Solaris				City:																									
Project Name: Urraca Booster Pump				State: NM Zip:																									
Project Location: 32.32348, -103.64382				Phone #:																									
Sampler Name: Dominic Casarez				Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
H241457				C		1				X										X				3/19/24					
1		WW 11		C		1				X										X				3/19/24					
2		WW 12		C		1				X										X				3/19/24					
3		WW 13		C		1				X										X				3/19/24					
4		NW 9		C		1				X										X				3/19/24					
5		NW 10		C		1				X										X				3/19/24					
6		NW 11		C		1				X										X				3/19/24					
7		NW 12		C		1				X										X				3/19/24					
8		NW 13		C		1				X										X				3/19/24					
9		NW 14		C		1				X										X				3/19/24					
10		SW 13		C		1				X										X				3/19/24					
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By:				Date: 3-20-24		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: 10:04						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Relinquished By:				Date:		Received By:				<p>REMARKS:</p> <p>Please email results and copy of CoC to pm@etechenv.com.</p>																			
				Time:																									
Delivered By: (Circle One)				Sample Condition				CHECKED BY:																					
Sampler - UPS - Bus - Other:				Cool Intact				(Initials)																					
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																					

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 19

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																									
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																									
Address: 2617 West Marland				Company: Solaris Water Midstream																													
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																													
Phone #: (575) 264-9884 Fax #:				Address:																													
Project #: 17918 Project Owner: Solaris				City:																													
Project Name: Urraca Booster Pump				State: NM Zip:																													
Project Location: 32.32348, -103.64382				Phone #:																													
Sampler Name: Dominic Casarez				Fax #:																													
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME					
H241457				C		1						X								X				3/19/24				X		X		X	
11		SW 14		C		1						X								X				3/19/24				X		X		X	
12		SW 15		C		1						X								X				3/19/24				X		X		X	
13		SW 16		C		1						X								X				3/19/24				X		X		X	
14		SW 17		C		1						X								X				3/19/24				X		X		X	
15		SW 18		C		1						X								X				3/19/24				X		X		X	
						</																											

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

April 03, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 03/27/24 10:10.

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.

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 "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 15 (H241589-01)

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	03/28/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/28/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/28/2024	ND	6.32	105	6.00	0.923	
Total BTX	<0.300	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	224	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 16 (H241589-02)

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	03/28/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/28/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/28/2024	ND	6.32	105	6.00	0.923	
Total BTX	<0.300	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 17 (H241589-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.829		
Toluene*	<0.050	0.050	03/28/2024	ND	2.10	105	2.00	0.0454		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.253		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	6.32	105	6.00	0.923		
Total BTX	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 18 (H241589-04)

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	03/28/2024	ND	2.08	104	2.00	0.829		
Toluene*	<0.050	0.050	03/28/2024	ND	2.10	105	2.00	0.0454		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.253		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	6.32	105	6.00	0.923		
Total BTEx	<0.300	0.300	03/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 19 (H241589-05)

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	03/29/2024	ND	2.08	104	2.00	0.829		
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454		
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253		
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923		
Total BTEX	<0.300	0.300	03/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 19 (H241589-06)

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	03/29/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923	
Total BTEX	<0.300	0.300	03/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	112	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 20 (H241589-07)

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	03/29/2024	ND	2.08	104	2.00	0.829		
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454		
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253		
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923		
Total BTEX	<0.300	0.300	03/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 21 (H241589-08)

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	03/29/2024	ND	2.08	104	2.00	0.829		
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454		
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253		
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923		
Total BTX	<0.300	0.300	03/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 22 (H241589-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923	
Total BTX	<0.300	0.300	03/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 23 (H241589-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923	
Total BTX	<0.300	0.300	03/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-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	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 11 (H241589-11)

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	03/29/2024	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	03/29/2024	ND	2.10	105	2.00	0.0454	
Ethylbenzene*	<0.050	0.050	03/29/2024	ND	2.13	106	2.00	0.253	
Total Xylenes*	<0.150	0.150	03/29/2024	ND	6.32	105	6.00	0.923	
Total BTX	<0.300	0.300	03/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 04/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 12 (H241589-12)

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	03/28/2024	ND	2.15	108	2.00	4.29	
Toluene*	<0.050	0.050	03/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	4.65	
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.95	99.1	6.00	4.45	
Total BTEX	<0.300	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	03/28/2024	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	03/28/2024	ND	206	103	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	195	97.5	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																									
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																									
Address: 2617 West Marland				Company: Solaris Water Midstream																													
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																													
Phone #: (575) 264-9884 Fax #:				Address:																													
Project #: 17918 Project Owner: Solaris				City:																													
Project Name: Urraca Booster Pump				State: NM Zip:																													
Project Location: 32.32348, -103.64382				Phone #:																													
Sampler Name: Dominic Casarez				Fax #:																													
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME					
H241589				C 1				X												X				3/20/24				X		X		X	
2		NW 15		C 1				X												X				3/20/24				X		X		X	
3		NW 16		C 1				X												X				3/20/24				X		X		X	
4		NW 17		C 1				X												X				3/22/24				X		X		X	
5		NW 18		C 1				X												X				3/22/24				X		X		X	
6		NW 19		C 1				X												X				3/22/24				X		X		X	
7		SW 19		C 1				X												X				3/20/24				X		X		X	
8		SW 20		C 1				X												X				3/20/24				X		X		X	
9		SW 21		C 1				X												X				3/20/24				X		X		X	
10		SW 22		C 1				X												X				3/25/24				X		X		X	
		SW 23		C 1				X												X				3/25/24				X		X		X	

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Relinquished By:	Date: 3-27-24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1010		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Please email results and copy of CoC to pm@etechenv.com.	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)		
	Yes <input type="checkbox"/> No <input type="checkbox"/>			

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 09, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/03/24 15:00.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 13 (H241734-01)

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	04/05/2024	ND	2.04	102	2.00	0.566		
Toluene*	<0.050	0.050	04/05/2024	ND	2.16	108	2.00	0.822		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.17	108	2.00	0.554		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.50	108	6.00	0.495		
Total BTX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 14 (H241734-02)

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	04/05/2024	ND	2.04	102	2.00	0.566	
Toluene*	<0.050	0.050	04/05/2024	ND	2.16	108	2.00	0.822	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.17	108	2.00	0.554	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.50	108	6.00	0.495	
Total BTEX	<0.300	0.300	04/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 15 (H241734-03)

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	04/05/2024	ND	2.04	102	2.00	0.566		
Toluene*	<0.050	0.050	04/05/2024	ND	2.16	108	2.00	0.822		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.17	108	2.00	0.554		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.50	108	6.00	0.495		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

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

Sample ID: EW 16 (H241734-04)

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	04/05/2024	ND	2.04	102	2.00	0.566	
Toluene*	<0.050	0.050	04/05/2024	ND	2.16	108	2.00	0.822	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.17	108	2.00	0.554	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.50	108	6.00	0.495	
Total BTEX	<0.300	0.300	04/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

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

Sample ID: EW 17 (H241734-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.566	
Toluene*	<0.050	0.050	04/05/2024	ND	2.16	108	2.00	0.822	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.17	108	2.00	0.554	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.50	108	6.00	0.495	
Total BTX	<0.300	0.300	04/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 14 (H241734-06)

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	04/05/2024	ND	2.14	107	2.00	3.37	
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51	
Total BTEX	<0.300	0.300	04/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 15 (H241734-07)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 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	48.0	16.0	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 16 (H241734-08)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 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	04/08/2024	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	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 17 (H241734-09)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 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	04/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 18 (H241734-10)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	04/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

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

Sample ID: WW 19 (H241734-11)

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	04/05/2024	ND	2.14	107	2.00	3.37	
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51	
Total BTEX	<0.300	0.300	04/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 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	04/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

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

Sample ID: WW 21 (H241734-12)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 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	04/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/03/2024
 Reported: 04/09/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 24 (H241734-13)

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	04/05/2024	ND	2.14	107	2.00	3.37		
Toluene*	<0.050	0.050	04/05/2024	ND	2.09	105	2.00	3.38		
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	3.27		
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.83	97.2	6.00	3.51		
Total BTEX	<0.300	0.300	04/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 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	04/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	221	111	200	0.228	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	197	98.3	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager


CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 17

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Joel Lowry Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 17918 Project Owner: Solaris Project Name: Urraca Booster Pump Project Location: 32.32348, -103.64382 Sampler Name: Dominic Casarez										BILL TO			ANALYSIS REQUEST																								
										P.O. #:			<div style="display: flex; justify-content: space-around; font-weight: bold;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																								
										Company: Solaris Water Midstream																											
										Attn: Rob Kirk																											
										Address:																											
										City:																											
										State: NM Zip:																											
										Phone #:																											
										Fax #:																											
FOR LAB USE ONLY																																					
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP.)		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																									
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
H241734				C 1				X						X				3/27/24				X		X		X											
2		EW 14		C 1				X						X				3/28/24				X		X		X											
3		EW 15		C 1				X						X				3/28/24				X		X		X											
4		EW 16		C 1				X						X				4/2/24				X		X		X											
5		EW 17		C 1				X						X				4/2/24				X		X		X											
6		WW 14		C 1				X						X				3/27/24				X		X		X											
7		WW 15		C 1				X						X				3/27/24				X		X		X											
8		WW 16		C 1				X						X				3/28/24				X		X		X											
9		WW 17		C 1				X						X				3/28/24				X		X		X											
10		WW 18		C 1				X						X				3/28/24				X		X		X											

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Relinquished By: Date: 4-3-24 Time: 1:50		Received By: Date: Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: Date: Time:		Received By:		Please email results and copy of CoC to pm@etechenv.com.	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.12 #140		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			
		CHECKED BY: (Initials)			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 15, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/09/24 14:45.

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.

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 "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 18 (H241839-01)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEx	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	04/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 19 (H241839-02)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 20 (H241839-03)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEx	<0.300	0.300	04/10/2024	ND					

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

Chloride, SM4500CI-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	04/10/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 21 (H241839-04)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	64.0	16.0	04/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 22 (H241839-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	04/10/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 23 (H241839-06)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	04/10/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 24 (H241839-07)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	04/10/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 25 (H241839-08)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	04/10/2024	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	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

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

Sample ID: WW 20 (H241839-09)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/10/2024	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	04/10/2024	ND	201	101	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	202	101	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 22 (H241839-10)

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	04/10/2024	ND	2.12	106	2.00	1.37		
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30		
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86		
Total BTEX	<0.300	0.300	04/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	04/10/2024	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	04/10/2024	ND	191	95.5	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	185	92.7	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 25 (H241839-11)

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	04/10/2024	ND	2.12	106	2.00	1.37		
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30		
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86		
Total BTEX	<0.300	0.300	04/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	400	16.0	04/10/2024	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	04/10/2024	ND	191	95.5	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	185	92.7	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: RISER EW 1 (H241839-12)

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	04/10/2024	ND	2.12	106	2.00	1.37		
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30		
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86		
Total BTX	<0.300	0.300	04/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-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	04/10/2024	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	04/10/2024	ND	191	95.5	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	185	92.7	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: RISER NW 1 (H241839-13)

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	04/10/2024	ND	2.12	106	2.00	1.37		
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30		
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86		
Total BTEX	<0.300	0.300	04/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	04/10/2024	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	04/10/2024	ND	191	95.5	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	185	92.7	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: RISER WW 1 (H241839-14)

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	04/10/2024	ND	2.12	106	2.00	1.37	
Toluene*	<0.050	0.050	04/10/2024	ND	2.22	111	2.00	2.30	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.27	114	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	6.75	113	6.00	2.86	
Total BTX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-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	04/10/2024	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	04/10/2024	ND	191	95.5	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/10/2024	ND	185	92.7	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	04/10/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO		ANALYSIS REQUEST																											
Project Manager: Joel Lowry										P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																											
Address: 2617 West Marland										Company: Solaris Water Midstream																													
City: Hobbs State: NM Zip: 88240										Attn: Rob Kirk																													
Phone #: (575) 264-9884 Fax #:										Address:																													
Project #: 17918 Project Owner: Solaris										City:																													
Project Name: Urraca Booster Pump										State: NM Zip:																													
Project Location: 32.32348, -103.64382										Phone #:																													
Sampler Name: Dominic Casarez										Fax #:																													
FOR LAB USE ONLY										MATRIX		PRESERV.		SAMPLING																									
Lab I.D. H2418391										Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME			
1										EW 18		C 1				X				X		4/3/24				X		X		X									
2										EW 19		C 1				X						X		4/3/24				X		X		X							
3										EW 20		C 1				X						X		4/3/24				X		X		X							
4										EW 21		C 1				X						X		4/8/24				X		X		X							
5										EW 22		C 1				X						X		4/8/24				X		X		X							
6										EW 23		C 1				X						X		4/8/24				X		X		X							
7										EW 24		C 1				X						X		4/8/24				X		X		X							
8										EW 25		C 1				X						X		4/8/24				X		X		X							
9										WW 20		C 1				X						X		4/2/24				X		X		X							
10										WW 22		C 1				X						X		4/3/24				X		X		X							
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Relinquished By:										Date: 4-9-24		Received By:										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
Relinquished By:										Date:		Received By:										Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															
Relinquished By:										Date:		Received By:										REMARKS:																	
Relinquished By:										Date:		Received By:										REMARKS:																	
Delivered By: (Circle One)										Date:		Received By:										REMARKS:																	
Sampler - UPS - Bus - Other: -6-12 #140										Sample Condition		CHECKED BY: (Initials)										REMARKS:																	
Sample Condition										Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										REMARKS:																	

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 16, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/11/24 14:54.

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.

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 "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 @ 2' (H241907-01)

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	04/12/2024	ND	2.09	105	2.00	3.61	
Toluene*	<0.050	0.050	04/12/2024	ND	2.13	107	2.00	0.787	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.26	113	2.00	2.97	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.89	115	6.00	4.07	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	3680	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 @ 2' (H241907-02)

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	04/12/2024	ND	2.09	105	2.00	3.61		
Toluene*	<0.050	0.050	04/12/2024	ND	2.13	107	2.00	0.787		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.26	113	2.00	2.97		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.89	115	6.00	4.07		
Total BTX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 @ 2' (H241907-03)

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	04/12/2024	ND	2.09	105	2.00	3.61		
Toluene*	<0.050	0.050	04/12/2024	ND	2.13	107	2.00	0.787		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.26	113	2.00	2.97		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.89	115	6.00	4.07		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	4040	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 @ 2' (H241907-04)

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	04/12/2024	ND	2.09	105	2.00	3.61		
Toluene*	<0.050	0.050	04/12/2024	ND	2.13	107	2.00	0.787		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.26	113	2.00	2.97		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.89	115	6.00	4.07		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1230	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 @ 2.5' (H241907-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 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	1330	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 @ 2.5' (H241907-06)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 7 @ 2.5' (H241907-07)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEx	<0.300	0.300	04/12/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 8 @ 2.5' (H241907-08)

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	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 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	3280	16.0	04/15/2024	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	04/13/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/13/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/13/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 9 @ 2.5' (H241907-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTX	<0.300	0.300	04/12/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	04/15/2024	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	04/13/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/13/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/13/2024	ND					

Surrogate: 1-Chlorooctane 111 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 10 @ 2.5' (H241907-10)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 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	2200	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 11 @ 2.5' (H241907-11)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	1170	16.0	04/15/2024	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	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 12 @ 2.5' (H241907-12)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 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	3240	16.0	04/12/2024	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 13 @ 2.5' (H241907-13)

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	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 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	736	16.0	04/12/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 14 @ 2.5' (H241907-14)

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	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	4240	16.0	04/12/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 15 @ 2.5' (H241907-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 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	1410	16.0	04/12/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 16 @ 2.5' (H241907-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 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	3600	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	11.8	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 17 @ 2.5' (H241907-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	6400	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 18 @ 2.5' (H241907-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 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	3760	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	203	102	200	0.0452	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	187	93.4	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 19 @ 2.5' (H241907-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 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	2240	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 20 @ 2.5' (H241907-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 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	3800	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 West Marland				Company: Solaris Water Midstream																											
City: Hobbs		State: NM		Zip: 88240		Attn: Rob Kirk																									
Phone #: (575) 264-9884		Fax #:		Address:		City:																									
Project #: 17918		Project Owner: Solaris		State: NM		Zip:																									
Project Name: Urraca Booster Pump		Phone #:		Fax #:																											
Project Location: 32.32348, -103.64382																															
Sampler Name: Dominic Casarez																															
FOR LAB USE ONLY																															
<div style="border: 1px solid black; padding: 5px;"> H241907 Lab I.D. </div>				<div style="border: 1px solid black; padding: 5px; text-align: center;"> Sample I.D. </div>				<div style="display: flex; justify-content: space-between;"> <div> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE ICE / COOL OTHER: </div> <div> PRESERV. DATE TIME </div> <div> SAMPLING DATE TIME </div> </div>																							
1 FL 1 @ 2'				C 1				X				X				4/10/24				X				X				X			
2 FL 2 @ 2'				C 1				X				X				4/10/24				X				X				X			
3 FL 3 @ 2'				C 1				X				X				4/10/24				X				X				X			
4 FL 4 @ 2'				C 1				X				X				4/10/24				X				X				X			
5 FL 5 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
6 FL 6 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
7 FL 7 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
8 FL 8 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
9 FL 9 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
10 FL 10 @ 2.5'				C 1				X				X				4/10/24				X				X				X			
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By:				Date: 4-11-24 Time: 1454				Received By: SPOCKINGUEY				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
Relinquished By:				Date:				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Delivered By: (Circle One)				-11-02-#140				Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) SK				Please email results and copy of CoC to pm@etechenv.com.															
Sampler - UPS - Bus - Other:																															



CARDINAL LABORATORIES

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

April 16, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/11/24 14:54.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 21 @ 2.5' (H241908-01)

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	04/12/2024	ND	2.15	107	2.00	1.75	
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69	
Total BTX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 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	2920	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 22 @ 2.5' (H241908-02)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	560	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 23 @ 2.5' (H241908-03)

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	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 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	2800	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 24 @ 2.5' (H241908-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.15	107	2.00	1.75		
Toluene*	<0.050	0.050	04/12/2024	ND	2.08	104	2.00	1.81		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.03	101	2.00	1.90		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.92	98.6	6.00	1.69		
Total BTX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 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	4000	16.0	04/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2024	ND	182	91.0	200	0.376	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	174	87.1	200	4.60	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 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

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", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

April 19, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 14:53.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 2.5' (H241970-01)

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	04/16/2024	ND	2.13	107	2.00	0.926	
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157	
Total BTX	<0.300	0.300	04/16/2024	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	3080	16.0	04/16/2024	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	04/16/2024	ND	179	89.6	200	1.06	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	177	88.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 2.5' (H241970-02)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEx	<0.300	0.300	04/16/2024	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	1740	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	179	89.6	200	1.06	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	177	88.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 2.5' (H241970-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1020	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	179	89.6	200	1.06	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	177	88.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 2.5' (H241970-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTX	<0.300	0.300	04/16/2024	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	256	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 2.5' (H241970-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2680	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 2.5' (H241970-06)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEx	<0.300	0.300	04/16/2024	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	1330	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 2.5' (H241970-07)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEx	<0.300	0.300	04/16/2024	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	864	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 2.5' (H241970-08)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEX	<0.300	0.300	04/16/2024	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	3640	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 33 @ 2.5' (H241970-09)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEX	<0.300	0.300	04/16/2024	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	992	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 60.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 34 @ 2.5' (H241970-10)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4480	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 2.5' (H241970-11)

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	04/16/2024	ND	2.13	107	2.00	0.926		
Toluene*	<0.050	0.050	04/16/2024	ND	2.14	107	2.00	1.18		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.07	103	2.00	1.21		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.28	105	6.00	0.0157		
Total BTX	<0.300	0.300	04/16/2024	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	7330	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 2.5' (H241970-12)

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	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2440	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 37 @ 2.5' (H241970-13)

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	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	1020	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 2.5' (H241970-14)

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	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8080	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 39 @ 2.5' (H241970-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	1230	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 40 @ 2.5' (H241970-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	4480	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 49.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 41 @ 2.5' (H241970-17)

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	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	784	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 42 @ 2.5' (H241970-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	3920	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 43 @ 2.5' (H241970-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	2360	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 44 @ 2.5' (H241970-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	3080	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 45 @ 2.5' (H241970-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1600	16.0	04/16/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 46 @ 2.5' (H241970-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12	
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	192	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 47 @ 2.5' (H241970-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12	
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	784	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	207	104	200	1.82	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	218	109	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 48 @ 2.5' (H241970-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	1.12		
Toluene*	<0.050	0.050	04/16/2024	ND	2.17	109	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.700		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.53	109	6.00	1.08		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 49 @ 2.5' (H241970-25)

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	04/16/2024	ND	2.20	110	2.00	3.88	
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54	
Total BTX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/16/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 50 @ 2.5' (H241970-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	2480	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 51 @ 2.5' (H241970-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88	
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54	
Total BTEx	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 52 @ 2.5' (H241970-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	2680	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 53 @ 2.5' (H241970-29)

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	04/16/2024	ND	2.20	110	2.00	3.88	
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54	
Total BTX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 54 @ 2.5' (H241970-30)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 55 @ 2.5' (H241970-31)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5520	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 56 @ 2.5' (H241970-32)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 57 @ 2.5' (H241970-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88	
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54	
Total BTEx	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 58 @ 2.5' (H241970-34)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 59 @ 2.5' (H241970-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 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	1380	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 60 @ 2.5' (H241970-36)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88	
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	896	16.0	04/16/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 61 @ 2.5' (H241970-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	1140	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 62 @ 2.5' (H241970-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	3360	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 63 @ 2.5' (H241970-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 64 @ 2.5' (H241970-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	2440	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	16.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 65 @ 2.5' (H241970-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	1360	16.0	04/16/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 66 @ 2.5' (H241970-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	2280	16.0	04/16/2024	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 67 @ 2.5' (H241970-43)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	3080	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.0	200	3.27	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	187	93.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 68 @ 2.5' (H241970-44)

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	04/16/2024	ND	2.20	110	2.00	3.88		
Toluene*	<0.050	0.050	04/16/2024	ND	2.13	107	2.00	4.24		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.06	103	2.00	3.75		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.02	100	6.00	3.54		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	352	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 69 @ 2.5' (H241970-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2920	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 70 @ 2.5' (H241970-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4480	16.0	04/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 71 @ 2.5' (H241970-47)

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	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	464	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 72 @ 2.5' (H241970-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	432	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 73 @ 2.5' (H241970-49)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	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	3040	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 74 @ 2.5' (H241970-50)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	560	16.0	04/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 75 @ 2.5' (H241970-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEX	<0.300	0.300	04/16/2024	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	3800	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 76 @ 2.5' (H241970-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEx	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4800	16.0	04/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 77 @ 2.5' (H241970-53)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4560	16.0	04/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 78 @ 2.5' (H241970-54)

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	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2680	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 79 @ 2.5' (H241970-55)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEX	<0.300	0.300	04/16/2024	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	2320	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 80 @ 2.5' (H241970-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEX	<0.300	0.300	04/16/2024	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	1100	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 81 @ 2.5' (H241970-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEx	<0.300	0.300	04/16/2024	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	3760	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 82 @ 2.5' (H241970-58)

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	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	3600	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 83 @ 2.5' (H241970-59)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	4160	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 84 @ 2.5' (H241970-60)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	2240	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 85 @ 2.5' (H241970-61)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1520	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 86 @ 2.5' (H241970-62)

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	04/16/2024	ND	2.22	111	2.00	2.22	
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615	
Total BTX	<0.300	0.300	04/16/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 87 @ 2.5' (H241970-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTEx	<0.300	0.300	04/16/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	190	94.8	200	1.56	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	176	88.1	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 88 @ 2.5' (H241970-64)

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	04/16/2024	ND	2.22	111	2.00	2.22		
Toluene*	<0.050	0.050	04/16/2024	ND	2.34	117	2.00	0.567		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.40	120	2.00	0.192		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	7.13	119	6.00	0.615		
Total BTX	<0.300	0.300	04/16/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 89 @ 2.5' (H241970-65)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1960	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 52.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 90 @ 2.5' (H241970-66)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1760	16.0	04/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 91 @ 2.5' (H241970-67)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	2720	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 92 @ 2.5' (H241970-68)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1760	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 93 @ 2.5' (H241970-69)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	4080	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 94 @ 2.5' (H241970-70)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEx	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	04/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 95 @ 2.5' (H241970-71)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	3720	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/15/2024
 Reported: 04/19/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 96 @ 2.5' (H241970-72)

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	04/16/2024	ND	2.05	102	2.00	1.45	
Toluene*	<0.050	0.050	04/16/2024	ND	2.11	105	2.00	0.162	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.20	110	2.00	0.462	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	6.61	110	6.00	0.790	
Total BTX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	04/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	177	88.6	200	0.885	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	173	86.6	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.						BILL TO								ANALYSIS REQUEST									
Project Manager: Joel Lowry						P.O. #:						<div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride TPH (8015M) BTEX (8021B)</div>											
Address: 2617 West Marland						Company Solaris Water Midstream																	
City: Hobbs State: NM Zip: 88240						Attn: Rob Kirk																	
Phone #: (575) 264-9884 Fax #:						Address:																	
Project #: 17918 Project Owner: Solaris						City:																	
Project Name: Urraca Booster Pump						State: NM Zip:																	
Project Location: 32.32348, -103.64382						Phone #:																	
Sampler Name: Dominic Casarez						Fax #:																	
FOR LAB USE ONLY		Lab I.D. 4241970		Sample I.D.		(G/RAB OR C/COMP.) # CONTAINERS	GROUNDEWATER WASTEWATER SOIL OIL SLUDGE OTHER :	MATRIX	PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME													
		1 FL 25 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		2 FL 26 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		3 FL 27 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		4 FL 28 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		5 FL 29 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		6 FL 30 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		7 FL 31 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		8 FL 32 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		9 FL 33 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
		10 FL 34 @ 2.5'		C 1	X				X	4/12/24		X	X	X									
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																							
Relinquished By: [Signature]						Date: 4-15-24 Time: 1453						Received By: [Signature]						Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #: REMARKS:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:						#140 -1.4°C						Sample Condition Cool Intact Yes No Checked By: (Initials)						Please email results and copy of CoC to pm@etechenv.com.					

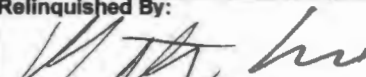



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H241970																															
21		FL 45 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
22		FL 46 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
23		FL 47 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
24		FL 48 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
25		FL 49 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
26		FL 50 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
27		FL 51 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
28		FL 52 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
29		FL 53 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
30		FL 54 @ 2.5'		C 1				X										X		4/12/24				X		X		X			
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Sampler - UPS - Bus - Other:				-1.4c				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				(Initials)																			
								Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			

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<table><thead><tr><th>FOR LAB USE ONLY</th><th></th><th>MATRIX</th><th>PRESERV.</th><th>SAMPLING</th></tr><tr><th>Lab I.D.</th><th>Sample I.D.</th><th>(G/RAB OR C/JOMP. # CONTAINERS <div>GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :</div>)<div>ACID/BASE: ICE / COOL OTHER :</div></th><th></th><th>DATE TIME</th></tr></thead><tbody><tr><td>H241970</td><td></td><td></td><td></td><td></td></tr><tr><td>31</td><td>FL 55 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>32</td><td>FL 56 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>33</td><td>FL 57 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>34</td><td>FL 58 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>35</td><td>FL 59 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>36</td><td>FL 60 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>37</td><td>FL 61 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>38</td><td>FL 62 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>39</td><td>FL 63 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr><tr><td>40</td><td>FL 64 @ 2.5'</td><td>C 1 X</td><td>X</td><td>4/12/24</td></tr></tbody></table>						FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	Lab I.D.	Sample I.D.	(G/RAB OR C/JOMP. # CONTAINERS <div>GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :</div>) <div>ACID/BASE: ICE / COOL OTHER :</div>		DATE TIME	H241970					31	FL 55 @ 2.5'	C 1 X	X	4/12/24	32	FL 56 @ 2.5'	C 1 X	X	4/12/24	33	FL 57 @ 2.5'	C 1 X	X	4/12/24	34	FL 58 @ 2.5'	C 1 X	X	4/12/24	35	FL 59 @ 2.5'	C 1 X	X	4/12/24	36	FL 60 @ 2.5'	C 1 X	X	4/12/24	37	FL 61 @ 2.5'	C 1 X	X	4/12/24	38	FL 62 @ 2.5'	C 1 X	X	4/12/24	39	FL 63 @ 2.5'	C 1 X	X	4/12/24	40	FL 64 @ 2.5'	C 1 X	X	4/12/24
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57 FL 75 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
52 FL 76 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
53 FL 77 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
54 FL 78 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
55 FL 79 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
56 FL 80 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
57 FL 81 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
58 FL 82 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
59 FL 83 @ 2.5'		C 1		X		X		4/12/24		X		X		X									
60 FL 84 @ 2.5'		C 1		X		X		4/12/24		X		X		X									

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Relinquished By: Date: 4-15-24 Time: 1453	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>1.4c</u>		
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		
CHECKED BY: (Initials) <u>JO.</u>		

Please email results and copy of CoC to pm@etechenv.com.

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Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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61		FL 85 @ 2.5'		C 1								X										X				4/12/24				X		X		X													
63		FL 86 @ 2.5'		C 1								X										X				4/12/24				X		X		X													
63		FL 87 @ 2.5'		C 1								X										X				4/12/24				X		X		X													
64		FL 88 @ 2.5'		C 1								X										X				4/12/24				X		X		X													
65		FL 89 @ 2.5'		C 1								X										X				4/12/24				X		X		X													
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Page 82 of 82

[illegible]

FORM-006
Revision 1.0

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

April 22, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 14:55.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 97 @ 2.5' (H242014-01)

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	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1880	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 98 @ 2.5' (H242014-02)

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	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1720	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 99 @ 2.5' (H242014-03)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 100 @ 2.5' (H242014-04)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 101 @ 2.5' (H242014-05)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 102 @ 2.5' (H242014-06)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 103 @ 2.5' (H242014-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 104 @ 2.5' (H242014-08)

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	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTX	<0.300	0.300	04/17/2024	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	416	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 105 @ 2.5' (H242014-09)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 106 @ 2.5' (H242014-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	480	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 107 @ 2.5' (H242014-11)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 108 @ 2.5' (H242014-12)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 109 @ 2.5' (H242014-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.04	102	2.00	1.24	
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79	
Total BTX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	1570	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 110 @ 2.5' (H242014-14)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 111 @ 2.5' (H242014-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTX	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 113 @ 2.5' (H242014-16)

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	04/17/2024	ND	2.04	102	2.00	1.24		
Toluene*	<0.050	0.050	04/17/2024	ND	2.05	102	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	7.10		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.19	103	6.00	7.79		
Total BTX	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 114 @ 2.5' (H242014-17)

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	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTX	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/18/2024	ND	464	116	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	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 115 @ 2.5' (H242014-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	04/18/2024	ND	416	104	400	10.9	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 116 @ 2.5' (H242014-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1040	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 117 @ 2.5' (H242014-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 118 @ 2.5' (H242014-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 119 @ 2.5' (H242014-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 120 @ 2.5' (H242014-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 121 @ 2.5' (H242014-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 122 @ 2.5' (H242014-25)

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	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 123 @ 2.5' (H242014-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 124 @ 2.5' (H242014-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 125 @ 2.5' (H242014-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623	
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	240	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 126 @ 2.5' (H242014-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 127 @ 2.5' (H242014-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.22	111	2.00	0.623	
Toluene*	<0.050	0.050	04/17/2024	ND	2.16	108	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.28	114	2.00	2.16	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.60	110	6.00	3.46	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	208	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	187	93.4	200	3.78	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	204	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 128 @ 2.5' (H242014-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 129 @ 2.5' (H242014-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1840	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 130 @ 2.5' (H242014-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/18/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 131 @ 2.5' (H242014-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623	
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1180	16.0	04/18/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 132 @ 2.5' (H242014-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623	
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1340	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 133 @ 2.5' (H242014-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	0.623		
Toluene*	<0.050	0.050	04/18/2024	ND	2.16	108	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	2.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.60	110	6.00	3.46		
Total BTEx	<0.300	0.300	04/18/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 134 @ 2.5' (H242014-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEx	<0.300	0.300	04/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/18/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 135 @ 2.5' (H242014-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	192	16.0	04/18/2024	ND	480	120	400	6.90	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 136 @ 2.5' (H242014-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEx	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	992	16.0	04/18/2024	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 137 @ 2.5' (H242014-40)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1680	16.0	04/18/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 138 @ 2.5' (H242014-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEx	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1120	16.0	04/18/2024	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 139 @ 2.5' (H242014-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59		
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1360	16.0	04/18/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 140 @ 2.5' (H242014-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59		
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	608	16.0	04/18/2024	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 141 @ 2.5' (H242014-44)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEx	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	448	16.0	04/18/2024	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 142 @ 2.5' (H242014-45)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	416	16.0	04/18/2024	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 143 @ 2.5' (H242014-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	624	16.0	04/18/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/16/2024
 Reported: 04/22/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 144 @ 2.5' (H242014-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.12	106	2.00	5.59	
Toluene*	<0.050	0.050	04/17/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.06	103	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.12	102	6.00	12.3	
Total BTEx	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	704	16.0	04/18/2024	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	189	94.5	200	6.10	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	181	90.5	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

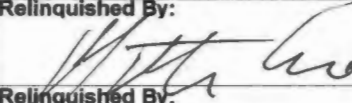
101 East Marland, Hobbs, NM 88240

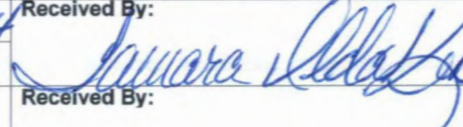
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Joel Lowry				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)											
Address: 2617 West Marland				Company: Solaris Water Midstream																	
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																	
Phone #: (575) 264-9884 Fax #:				Address:																	
Project #: 17918 Project Owner: Solaris				City:																	
Project Name: Urraca Booster Pump				State: NM Zip:																	
Project Location: 32.32348, -103.64382				Phone #:																	
Sampler Name: Dominic Casarez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING									
								GROUNDWATER													
								WASTEWATER													
								SOIL													
								OIL													
								SLUDGE													
								OTHER:													
								ACID/BASE:													
								ICE / COOL													
								OTHER:													
01	FL 97 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
02	FL 98 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
03	FL 99 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
04	FL 100 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
05	FL 101 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
06	FL 102 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
07	FL 103 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
08	FL 104 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
09	FL 105 @ 2.5'	C	1					X			X	4/15/24		X	X	X					
10	FL 106 @ 2.5'	C	1					X			X	4/15/24		X	X	X					

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Relinquished By: 
Date: 4-16-24
Time: 1455

Received By: 
Date:
Time:

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Relinquished By:
Date:
Time:

Received By:
Date:
Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition
Cool Intact
☐ Yes ☐ No
☐ Yes ☐ No

CHECKED BY:
(Initials)

Please email results and copy of CoC to pm@etechenv.com.

**ARDINAL LABORATORIES**

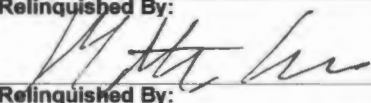
101 East Marland, Hobbs, NM 88240


(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																
Address: 2617 West Marland				Company Solaris Water Midstream																						
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 17918 Project Owner: Solaris				City:																						
Project Name: Urraca Booster Pump				State: NM Zip:																						
Project Location: 32.32348, -103.64382				Phone #:																						
Sampler Name: Dominic Casarez				Fax #:																						
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
1242014																										
11	FL 107 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
12	FL 108 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
13	FL 109 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
14	FL 110 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
15	FL 111 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
16	FL 113 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
17	FL 114 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
18	FL 115 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
19	FL 116 @ 2.5'	C	1			X				X			4/15/24		X	X	X									
20	FL 117 @ 2.5'	C	1			X				X			4/15/24		X	X	X									

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Relinquished By: 
Date: 4-16-24
Time: 1455

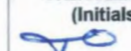
Received By: 
Date:
Time:

Relinquished By:
Date:
Time:

Received By:
Date:
Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition
Cool Intact
☒ Yes ☒ Yes
☐ No ☐ No

CHECKED BY:
(Initials)


Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
Please email results and copy of CoC to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO			ANALYSIS REQUEST																
Project Manager: Joel Lowry										P.O. #:			<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																
Address: 2617 West Marland										Company: Solaris Water Midstream																			
City: Hobbs State: NM Zip: 88240										Attn: Rob Kirk																			
Phone #: (575) 264-9884 Fax #:										Address:																			
Project #: 17918 Project Owner: Solaris										City:																			
Project Name: Urraca Booster Pump										State: NM Zip:																			
Project Location: 32.32348, -103.64382										Phone #:																			
Sampler Name: Dominic Casarez										Fax #:																			
FOR LAB USE ONLY										MATRIX			PRESERV.			SAMPLING													
Lab I.D.		Sample I.D.		(G/RAB OR (COMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME			
H242014																													
31		FL 128 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
32		FL 129 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
33		FL 130 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
34		FL 131 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
35		FL 132 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
36		FL 133 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
37		FL 134 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
38		FL 135 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
39		FL 136 @ 2.5'		C 1				X										X				4/15/24				X		X X X	
40		FL 137 @ 2.5'		C 1				X										X				4/15/24				X		X X X	

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Relinquished By:		Date: 4-16-24		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Time: 1455		Time:		REMARKS:			
Sampler - UPS - Bus - Other:		Sample Condition:		CHECKED BY:		Please email results and copy of CoC to pm@etechenv.com.			
-9.9°C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) 					



ARDINAL LABORATORIES

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

April 23, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/17/24 14:58.

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.

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 "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 145 @ 2.5' (H242045-01)

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	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTEX	<0.300	0.300	04/19/2024	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	560	16.0	04/19/2024	ND	464	116	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	04/19/2024	ND	195	97.7	200	5.28	
DRO >C10-C28*	1280	10.0	04/19/2024	ND	196	98.0	200	7.66	
EXT DRO >C28-C36	358	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 146 @ 2.5' (H242045-02)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEx	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 147 @ 2.5' (H242045-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTX	<0.300	0.300	04/19/2024	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	2000	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	81.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 148 @ 2.5' (H242045-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 149 @ 3' (H242045-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTX	<0.300	0.300	04/19/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 150 @ 3' (H242045-06)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3880	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 151 @ 3' (H242045-07)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEX	<0.300	0.300	04/19/2024	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	1800	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	39.6	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 152 @ 3' (H242045-08)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEX	<0.300	0.300	04/19/2024	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	2600	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 153 @ 3' (H242045-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 154 @ 3' (H242045-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 155 @ 3' (H242045-11)

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	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTEX	<0.300	0.300	04/19/2024	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	960	16.0	04/19/2024	ND	464	116	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	23.9	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 156 @ 3' (H242045-12)

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	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTEX	<0.300	0.300	04/19/2024	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	2000	16.0	04/19/2024	ND	480	120	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 157 @ 2.5' (H242045-13)

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	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTEx	<0.300	0.300	04/19/2024	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	4400	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 158 @ 2.5' (H242045-14)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	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	4160	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 159 @ 2.5' (H242045-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTEX	<0.300	0.300	04/19/2024	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	2200	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 160 @ 2.5' (H242045-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	3600	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 161 @ 2.5' (H242045-17)

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	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTX	<0.300	0.300	04/19/2024	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	2280	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	41.3	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 162 @ 2.5' (H242045-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEx	<0.300	0.300	04/19/2024	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	4320	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 163 @ 2.5' (H242045-19)

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	04/19/2024	ND	2.14	107	2.00	8.92	
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24	
Total BTX	<0.300	0.300	04/19/2024	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	544	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	1500	10.0	04/18/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	461	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 164 @ 2.5' (H242045-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.22	111	2.00	4.95	
Toluene*	<0.050	0.050	04/19/2024	ND	2.47	124	2.00	15.4	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.68	134	2.00	18.0	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	8.05	134	6.00	20.9	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2800	16.0	04/19/2024	ND	480	120	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	04/19/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 165 @ 2.5' (H242045-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.22	111	2.00	4.95	
Toluene*	<0.050	0.050	04/19/2024	ND	2.47	124	2.00	15.4	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.68	134	2.00	18.0	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	8.05	134	6.00	20.9	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	416	16.0	04/19/2024	ND	480	120	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	04/19/2024	ND	198	98.8	200	0.940	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	185	92.3	200	4.08	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 166 @ 2.5' (H242045-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.22	111	2.00	4.95		
Toluene*	<0.050	0.050	04/19/2024	ND	2.47	124	2.00	15.4		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.68	134	2.00	18.0		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	8.05	134	6.00	20.9		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	384	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	182	91.2	200	0.0889	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 167 @ 2.5' (H242045-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.22	111	2.00	4.95		
Toluene*	<0.050	0.050	04/19/2024	ND	2.47	124	2.00	15.4		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.68	134	2.00	18.0		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	8.05	134	6.00	20.9		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1040	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	182	91.2	200	0.0889	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/17/2024
 Reported: 04/23/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 168 @ 2.5' (H242045-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.22	111	2.00	4.95		
Toluene*	<0.050	0.050	04/19/2024	ND	2.47	124	2.00	15.4		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.68	134	2.00	18.0		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	8.05	134	6.00	20.9		
Total BTEx	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	3000	16.0	04/19/2024	ND	480	120	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	04/18/2024	ND	204	102	200	1.04	
DRO >C10-C28*	45.8	10.0	04/18/2024	ND	182	91.2	200	0.0889	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 29

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Joel Lowry Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 17918 Project Owner: Solaris Project Name: Urraca Booster Pump Project Location: 32.32348, -103.64382 Sampler Name: Dominic Casarez										BILL TO P.O. #: Company: Solaris Water Midstream Attn: Rob Kirk Address: City: State: NM Zip: Phone #: Fax #:			ANALYSIS REQUEST									
FOR LAB USE ONLY Lab I.D. H240045		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX PRESERV. ACID/BASE ICE / COOL OTHER:	SAMPLING DATE TIME	Chloride TPH (8015M) BTEX (8021B)														
1	FL 145 @ 2.5'	C	1		X		X	4/16/24		X	X	X										
2	FL 146 @ 2.5'	C	1		X		X	4/16/24		X	X	X										
3	FL 147 @ 2.5'	C	1		X		X	4/16/24		X	X	X										
4	FL 148 @ 2.5'	C	1		X		X	4/16/24		X	X	X										
5	FL 149 @ 3'	C	1		X		X	4/16/24		X	X	X										
6	FL 150 @ 3'	C	1		X		X	4/16/24		X	X	X										
7	FL 151 @ 3'	C	1		X		X	4/16/24		X	X	X										
8	FL 152 @ 3'	C	1		X		X	4/16/24		X	X	X										
9	FL 153 @ 3'	C	1		X		X	4/16/24		X	X	X										
10	FL 154 @ 3'	C	1		X		X	4/16/24		X	X	X										
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Relinquished By: [Signature]		Date: 4-17-24 Time: 1458		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:		Add'l Phone #: Add'l Fax #:														
Relinquished By:		Date: Time:		Received By:		Please email results and copy of CoC to pm@etechenv.com.																
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.4: #140				Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) SK																

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO								ANALYSIS REQUEST																													
Project Manager: Joel Lowry				P.O. #:								Chloride TPH (8015M) BTEX (8021B)																													
Address: 2617 West Marland				Company Solaris Water Midstream																																					
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																																					
Phone #: (575) 264-9884 Fax #:				Address:																																					
Project #: 17918 Project Owner: Solaris				City:																																					
Project Name: Urraca Booster Pump				State: NM Zip:																																					
Project Location: 32.32348, -103.64382				Phone #:																																					
Sampler Name: Dominic Casarez				Fax #:																																					
FOR LAB USE ONLY																																									
Lab I.D. H240015		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																											
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE		ICE / COOL		OTHER :		DATE		TIME																	
11 FL 155 @ 3'		C 1						X								X				4/16/24				X		X		X													
12 FL 156 @ 3'		C 1						X								X				4/16/24				X		X		X													
13 FL 157 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
14 FL 158 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
15 FL 159 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
16 FL 160 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
17 FL 161 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
18 FL 162 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
19 FL 163 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
20 FL 164 @ 2.5'		C 1						X								X				4/16/24				X		X		X													
<p><small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small></p>																																									
Relinquished By: 				Date: 4-17-24		Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																															
				Time: 1458						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:																															
Relinquished By:				Date:		Received By:				REMARKS:																															
				Time:																																					
Delivered By: (Circle One)				-1.42		Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																											
Sampler - UPS - Bus - Other:				#140		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No				(Initials) 																															

**ARDINAL LABORATORIES**

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

April 22, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/19/24 14:46.

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.

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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	04/19/2024	Sampling Date:	04/18/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	URRACA BOOSTER PUMP	Sampling Condition:	Cool & Intact
Project Number:	17918	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - RURAL LEA CO., NM		

Sample ID: BF - 01 (H242117-01)

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	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	04/22/2024	ND	480	120	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	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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

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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

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

April 29, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/23/24 15:00.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 169 @ 2' (H242178-01)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTX	<0.300	0.300	04/25/2024	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	2560	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 170 @ 2' (H242178-02)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 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



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 171 @ 2' (H242178-03)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEx	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 172 @ 2' (H242178-04)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2880	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 173 @ 2' (H242178-05)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4320	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 175 @ 2' (H242178-07)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	816	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 176 @ 2' (H242178-08)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4880	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 177 @ 2' (H242178-09)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	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	2320	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 178 @ 2' (H242178-10)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	2880	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 179 @ 2' (H242178-11)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1360	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 180 @ 2' (H242178-12)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEx	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2960	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 181 @ 2' (H242178-13)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTEX	<0.300	0.300	04/25/2024	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	560	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 182 @ 2' (H242178-14)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	2560	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 183 @ 2' (H242178-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2960	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 184 @ 2' (H242178-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	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	4280	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 185 @ 2' (H242178-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/24/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2400	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 186 @ 2' (H242178-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/24/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/24/2024	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	4240	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 187 @ 3' (H242178-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	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	2800	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 188 @ 3' (H242178-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	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	4200	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 189 @ 3' (H242178-21)

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	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTX	<0.300	0.300	04/25/2024	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	2400	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 190 @ 3' (H242178-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2600	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 191 @ 3' (H242178-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	4120	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 192 @ 3' (H242178-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	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	3600	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 193 @ 2' (H242178-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	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	624	16.0	04/25/2024	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	04/24/2024	ND	201	100	200	0.972	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	220	110	200	0.977	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 194 @ 2' (H242178-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	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	3000	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 195 @ 2' (H242178-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	3120	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 196 @ 2' (H242178-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1730	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 197 @ 2' (H242178-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2160	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 198 @ 2' (H242178-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	752	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 199 @ 2' (H242178-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	3160	16.0	04/25/2024	ND	448	112	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 200 @ 2' (H242178-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	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	2480	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 201 @ 2' (H242178-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2200	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 202 @ 2' (H242178-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737	
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2200	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 204 @ 2' (H242178-35)

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	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTX	<0.300	0.300	04/25/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 205 @ 2' (H242178-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2024	ND	2.12	106	2.00	0.737		
Toluene*	<0.050	0.050	04/25/2024	ND	2.13	107	2.00	0.891		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.07	104	2.00	0.838		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	104	6.00	0.561		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2080	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 206 @ 2' (H242178-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11		
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01		
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85		
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45		
Total BTEx	<0.300	0.300	04/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 207 @ 2' (H242178-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4800	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 208 @ 2' (H242178-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11		
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01		
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85		
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45		
Total BTEx	<0.300	0.300	04/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 209 @ 2' (H242178-40)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2000	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 210 @ 2' (H242178-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEx	<0.300	0.300	04/24/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 211 @ 2' (H242178-42)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	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	1010	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.9 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 212 @ 2' (H242178-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	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	4720	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 213 @ 2' (H242178-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11		
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01		
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85		
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45		
Total BTEX	<0.300	0.300	04/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2360	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 214 @ 2' (H242178-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11		
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01		
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85		
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45		
Total BTEX	<0.300	0.300	04/24/2024	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	5040	16.0	04/25/2024	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	04/24/2024	ND	208	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	198	99.2	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 215 @ 2' (H242178-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2520	16.0	04/25/2024	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	04/25/2024	ND	198	99.0	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/25/2024	ND	197	98.5	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 216 @ 2' (H242178-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11		
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01		
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85		
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45		
Total BTEX	<0.300	0.300	04/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2160	16.0	04/25/2024	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	04/25/2024	ND	198	99.0	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/25/2024	ND	197	98.5	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/23/2024
 Reported: 04/29/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 217 @ 2' (H242178-48)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2024	ND	2.17	109	2.00	4.11	
Toluene*	<0.050	0.050	04/24/2024	ND	2.19	110	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/24/2024	ND	2.12	106	2.00	3.85	
Total Xylenes*	<0.150	0.150	04/24/2024	ND	6.40	107	6.00	3.45	
Total BTEX	<0.300	0.300	04/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2280	16.0	04/25/2024	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	04/25/2024	ND	198	99.0	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/25/2024	ND	197	98.5	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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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".

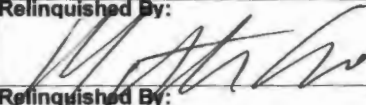
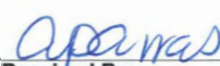
Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240

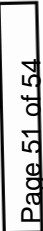
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Joel Lowry				P.O. #:				<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																																							
Address: 2617 West Marland				Company: Solaris Water Midstream																																											
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																																											
Phone #: (575) 264-9884 Fax #:				Address:																																											
Project #: 17918 Project Owner: Solaris				City:																																											
Project Name: Urraca Booster Pump				State: NM Zip:																																											
Project Location: 32.32348, -103.64382				Phone #:																																											
Sampler Name: Dominic Casarez				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)COMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
1242178				C		1						X										X				4/22/24				X		X		X													
3		FL 169 @ 2'		C		1						X										X				4/22/24				X		X		X													
4		FL 170 @ 2'		C		1						X										X				4/22/24				X		X		X													
5		FL 171 @ 2'		C		1						X										X				4/22/24				X		X		X													
6		FL 172 @ 2'		C		1						X										X				4/22/24				X		X		X													
7		FL 173 @ 2'		C		1						X										X				4/22/24				X		X		X													
8		FL 174 @ 2'		C		1						X										X				4/22/24				X		X		X		NO SAMPLE!											
9		FL 175 @ 2'		C		1						X										X				4/22/24				X		X		X		SR											
10		FL 176 @ 2'		C		1						X										X				4/22/24				X		X		X		4-25-24											
11		FL 177 @ 2'		C		1						X										X				4/22/24				X		X		X													
12		FL 178 @ 2'		C		1						X										X				4/22/24				X		X		X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																															
Relinquished By: 				Date: 4/23/24 Time: 1:50				Received By: 				Date: Time: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #: Add'l Fax #: 																											
Relinquished By: 				Date: Time: 				Received By: 				Date: Time: 				REMARKS: * NO Sample #4. Spadkiney 4-25-24																															
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 										Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No										CHECKED BY: (Initials) AD																											
Please email results and copy of CoC to pm@etechenv.com.																																															

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



(575) 393-2326 FAX (575) 393-2476

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.						BILL TO							ANALYSIS REQUEST																												
Project Manager: Joel Lowry						P.O. #:							Chloride TPH (8015M) BTEX (8021B)																												
Address: 2617 West Marland						Company Solaris Water Midstream																																			
City: Hobbs State: NM Zip: 88240						Attn: Rob Kirk																																			
Phone #: (575) 264-9884 Fax #:						Address:																																			
Project #: 17918 Project Owner: Solaris						City:																																			
Project Name: Urraca Booster Pump						State: NM Zip:																																			
Project Location: 32.32348, -103.64382						Phone #:																																			
Sampler Name: Dominic Casarez						Fax #:																																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE		ICE / COOL		OTHER :		DATE		TIME													
1242178				C 1				X												X		4/22/24				X		X		X											
31		FL 199 @ 2'		C 1				X												X		4/22/24				X		X		X											
32		FL 200 @ 2'		C 1				X												X		4/22/24				X		X		X											
33		FL 201 @ 2'		C 1				X												X		4/22/24				X		X		X											
34		FL 202 @ 2'		C 1				X												X		4/22/24				X		X		X											
35		FL 204 @ 2'		C 1				X												X		4/22/24				X		X		X											
36		FL 205 @ 2'		C 1				X												X		4/22/24				X		X		X											
37		FL 206 @ 2'		C 1				X												X		4/22/24				X		X		X											
38		FL 207 @ 2'		C 1				X												X		4/22/24				X		X		X											
39		FL 208 @ 2'		C 1				X												X		4/22/24				X		X		X											
40		FL 209 @ 2'		C 1				X												X		4/22/24				X		X		X											
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																									
Relinquished By:						Date:		Received By:						Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																											
						Time:								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:																											
Relinquished By:						Date:		Received By:						REMARKS:																											
						Time:																																			
Delivered By: (Circle One)						Sample Condition						CHECKED BY:						Please email results and copy of CoC to pm@etechenv.com.																							
Sampler - UPS - Bus - Other:						Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No						(Initials) 																													

**ARDINAL LABORATORIES**

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

April 30, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/24/24 15:09.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/24/2024
 Reported: 04/30/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 203 @ 2' (H242196-01)

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	04/25/2024	ND	2.09	104	2.00	0.869	
Toluene*	<0.050	0.050	04/25/2024	ND	2.11	105	2.00	0.967	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.13	106	2.00	1.60	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.27	105	6.00	1.58	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1960	16.0	04/25/2024	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	04/25/2024	ND	188	94.0	200	0.651	
DRO >C10-C28*	74.4	10.0	04/25/2024	ND	181	90.7	200	0.589	
EXT DRO >C28-C36	<10.0	10.0	04/25/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

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

April 30, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 04/25/24 11:20.

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.

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 "Coley 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/25/2024
 Reported: 04/30/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 04/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 174 @ 2' (H242208-01)

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	04/25/2024	ND	2.51	125	2.00	8.60	
Toluene*	<0.050	0.050	04/25/2024	ND	2.39	120	2.00	8.80	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	2.38	119	2.00	8.80	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	7.13	119	6.00	7.96	
Total BTX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	3720	16.0	04/26/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	187	93.7	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	186	93.1	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																							
Address: 2617 West Marland				Company Solaris Water Midstream																																											
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																																											
Phone #: (575) 264-9884 Fax #:				Address:																																											
Project #: 17918 Project Owner: Solaris				City:																																											
Project Name: Urraca Booster Pump				State: NM Zip:																																											
Project Location: 32.32348, -103.64382				Phone #:																																											
Sampler Name: Dominic Casarez				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
H242208		FL 174 @ 2'		C		1				X										X						4/24/24				X		X		X													



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

May 14, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 8:30.

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.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 20 (H242585-01)

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	05/13/2024	ND	2.05	103	2.00	0.242	
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	48.0	16.0	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 26 (H242585-02)

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	05/13/2024	ND	2.05	103	2.00	0.242		
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42		
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98		
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12		
Total BTEx	<0.300	0.300	05/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 23 (H242585-03)

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	05/13/2024	ND	2.05	103	2.00	0.242	
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12	
Total BTEx	<0.300	0.300	05/13/2024	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	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 24 (H242585-04)

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	05/13/2024	ND	2.05	103	2.00	0.242		
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42		
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98		
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12		
Total BTEX	<0.300	0.300	05/13/2024	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	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 25 (H242585-05)

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	05/13/2024	ND	2.05	103	2.00	0.242		
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42		
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98		
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12		
Total BTEX	<0.300	0.300	05/13/2024	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	16.0	16.0	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 26 (H242585-06)

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	05/13/2024	ND	2.05	103	2.00	0.242	
Toluene*	<0.050	0.050	05/13/2024	ND	2.11	105	2.00	1.42	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	2.98	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	6.37	106	6.00	3.12	
Total BTEX	<0.300	0.300	05/13/2024	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	16.0	16.0	05/14/2024	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	05/13/2024	ND	185	92.4	200	0.0617	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	193	96.5	200	0.432	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager


CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 9 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>													
Address: 2617 West Marland				Company: Solaris Water Midstream																	
City: Hobbs		State: NM		Zip: 88240		Attn: Rob Kirk															
Phone #: (575) 264-9884		Fax #:		Address:																	
Project #: 17918		Project Owner: Solaris		City:																	
Project Name: Urraca Booster Pump				State: NM Zip:																	
Project Location: 32.32348, -103.64382				Phone #:																	
Sampler Name: Dominic Casarez				Fax #:																	

FOR LAB USE ONLY		(G/RAB OR (C)COMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:			
H242585															
1	NW 20	C	1			X				X		X	5/10/24		
2	SW 26	C	1			X				X		X	5/10/24		
3	WW 23	C	1			X				X		X	5/10/24		
4	WW 24	C	1			X				X		X	5/10/24		
5	WW 25	C	1			X				X		X	5/10/24		
6	WW 26	C	1			X				X		X	5/10/24		

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Relinquished By: 	Date: 5-13-24 Time: 0830	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	REMARKS: <div style="text-align: center; font-weight: bold; color: red; font-size: 1.2em;">RUSH SAMPLES - 24 HOUR</div> Please email results and copy of CoC to pm@etechenv.com.
Relinquished By:	Date:	Received By:			
Time:					

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-9.3	#140	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
---	------	------	---	--------------------------------------



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

May 16, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 8:30.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 218 @ 2' (H242587-01)

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	05/15/2024	ND	1.92	96.1	2.00	7.47		
Toluene*	<0.050	0.050	05/15/2024	ND	1.99	99.6	2.00	7.16		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.99	99.5	2.00	7.08		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.16	103	6.00	6.65		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/15/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 219 @ 1' (H242587-02)

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	05/14/2024	ND	1.87	93.5	2.00	1.25		
Toluene*	<0.050	0.050	05/14/2024	ND	2.01	100	2.00	0.837		
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	2.05	102	2.00	1.94		
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.34	106	6.00	1.73		
Total BTEX	<0.300	0.300	05/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	512	16.0	05/15/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 220 @ 2' (H242587-03)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	288	16.0	05/15/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 221 @ 2' (H242587-04)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/15/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 222 @ 2' (H242587-05)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/15/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 223 @ 2' (H242587-06)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	320	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 224 @ 2' (H242587-07)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	560	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 225 @ 2' (H242587-08)

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	05/15/2024	ND	1.90	94.8	2.00	3.44	
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	432	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 226 @ 2' (H242587-09)

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	05/15/2024	ND	1.90	94.8	2.00	3.44	
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58	
Total BTEx	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	368	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 227 @ 2' (H242587-10)

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	05/15/2024	ND	1.90	94.8	2.00	3.44	
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58	
Total BTEx	<0.300	0.300	05/15/2024	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	720	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 228 @ 1' (H242587-11)

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	05/15/2024	ND	1.90	94.8	2.00	3.44	
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58	
Total BTEx	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	832	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 229 @ 1.5' (H242587-12)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	656	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 230 @ 1.5' (H242587-13)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	160	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 231 @ 1.5' (H242587-14)

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	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1360	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 232 @ 1.5' (H242587-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	160	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 233 @ 1.5' (H242587-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.90	94.8	2.00	3.44		
Toluene*	<0.050	0.050	05/15/2024	ND	1.92	96.0	2.00	3.15		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	2.65		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.95	99.2	6.00	2.58		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1220	16.0	05/15/2024	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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a light blue horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

May 14, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 15:10.

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.

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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 21 (H242598-01)

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	05/14/2024	ND	1.87	93.5	2.00	1.25	
Toluene*	<0.050	0.050	05/14/2024	ND	2.01	100	2.00	0.837	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.34	106	6.00	1.73	
Total BTX	<0.300	0.300	05/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/14/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	185	92.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.6	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 27 (H242598-02)

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	05/14/2024	ND	1.87	93.5	2.00	1.25		
Toluene*	<0.050	0.050	05/14/2024	ND	2.01	100	2.00	0.837		
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	2.05	102	2.00	1.94		
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.34	106	6.00	1.73		
Total BTEX	<0.300	0.300	05/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/14/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	185	92.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.6	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 05/14/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 27 (H242598-03)

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	05/14/2024	ND	1.87	93.5	2.00	1.25	
Toluene*	<0.050	0.050	05/14/2024	ND	2.01	100	2.00	0.837	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.34	106	6.00	1.73	
Total BTEX	<0.300	0.300	05/14/2024	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	05/14/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	185	92.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.6	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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

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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																																																																	
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City: Hobbs		State: NM		Zip: 88240		Attn: Rob Kirk																																																																																																																																																																																																																																																																			
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<div style="display: flex;"> <div style="flex: 1;"> FOR LAB USE ONLY </div> <div style="flex: 2;"> <table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G/RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="3">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE:</th> <th>ICE / COOL:</th> <th>OTHER:</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>H242598</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NW 21</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>5/13/24</td> <td></td> </tr> <tr> <td>2</td> <td>SW 27</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>5/13/24</td> <td></td> </tr> <tr> <td>3</td> <td>WW 27</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>5/13/24</td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> </div> </div>																Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	DATE	TIME	H242598																1	NW 21	C	1			X					X			5/13/24		2	SW 27	C	1			X					X			5/13/24		3	WW 27	C	1			X					X			5/13/24																																																																																																																																																																	
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Relinquished By:		Date: 5-13-24		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: <div style="color: red; font-weight: bold; font-size: 1.2em;">RUSH SAMPLES - 24 HOUR</div> Please email results and copy of CoC to pm@etechenv.com.																																																																																																																																																																																																																																																															
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FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

June 03, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: URRACA BOOSTER PUMP

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 15:10.

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.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 06/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 234 @ 2' (H242599-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	2.01	100	2.00	2.52	QM-07, QR-03
Toluene*	<0.050	0.050	05/15/2024	ND	2.09	105	2.00	3.35	QM-07, QR-03
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.16	108	2.00	1.48	QM-07, QR-03
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.50	108	6.00	1.78	QM-07, QR-03
Total BTX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	05/15/2024	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	05/14/2024	ND	195	97.6	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.7	200	8.33	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 06/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 235 @ 2' (H242599-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	2.01	100	2.00	2.52		
Toluene*	<0.050	0.050	05/15/2024	ND	2.09	105	2.00	3.35		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.16	108	2.00	1.48		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.50	108	6.00	1.78		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	05/15/2024	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	05/14/2024	ND	195	97.6	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.7	200	8.33	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 05/13/2024
 Reported: 06/03/2024
 Project Name: URRACA BOOSTER PUMP
 Project Number: 17918
 Project Location: SOLARIS - RURAL LEA CO., NM

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 236 @ 2' (H242599-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	2.01	100	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2024	ND	2.09	105	2.00	3.35	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.16	108	2.00	1.48	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.50	108	6.00	1.78	
Total BTX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	05/15/2024	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	05/14/2024	ND	195	97.6	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.7	200	8.33	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Rob Kirk](#)
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 315971
Date: Thursday, April 11, 2024 3:36:00 PM

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

To whom it may concern (c/o Rob Kirk for SOLARIS WATER MIDSTREAM, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2310130251, with the following conditions:

- **Remediation plan is approved under the following conditions: 1. Variance approved to limit excavation down to the calcrete rock layer (2 to 3') below grade. 2. Variance request to increase sampling frequency to 400 sq/ft per one five-point composite sample is approved.**
- **3. Solaris (371643) is responsible for the remediation, reclamation, and revegetation of this release, it is the responsible party's duty to include letters from the pipeline operators who are requesting a "no excavation" buffer zone around their pipelines to take responsibility for any contamination left in place due to their buffer zone request. If the pipeline operators are unwilling to take responsibility for the contamination located within their requested buffer zones, the responsible party will be required to remediate, reclaim, and revegetate the release pursuant to 19.15.29 NMAC. Furthermore, pursuant to 19.15.29.7 C. NMAC, OCD may consider a person causing the release, or controlling the location of the release as the responsible party. If any pipeline operator refuses to allow the remediation, reclamation, and revegetation of this release, OCD reserves the right to hold the pipeline operator as the responsible party.**
- **4. All other conditions in the remediation plan are approved. 5. Solaris has 90-days (07/10/2024) to submit its appropriate or final remediation closure report.**

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,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

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

From: OCDOnline@state.nm.us
To: [Rob Kirk](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 319321
Date: Friday, March 1, 2024 10:08:58 AM

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

To whom it may concern (c/o Rob Kirk for SOLARIS WATER MIDSTREAM, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2310130251.

The sampling event is expected to take place:

When: 03/04/2024 @ 09:00

Where: B-11-23S-32E 125 FSL 330 FWL (32.32348,-103.64382)

Additional Information: Sample tech: Dominic Casarez

Phone: 432-813-1036, dominic@etechenv.com

Additional Instructions: From the intersection of NM-176 and Co Rd 27 (GPS: 32.522548, -103.541653), head W on NM-176 for 4.93 mi, then S for 0.63 mi, then SW for 1.60 mi, then S for 0.83 mi, then SE for 8.79 mi, then W for 0.81 mi, then continue W for 0.71 mi, then S for 3.08 mi, then E for 0.02 mi to arrive at the release area (GPS: 32.32348, -103.64382).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

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

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

From: OCDOnline@state.nm.us
To: [Julian Romero](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 321551
Date: Friday, March 8, 2024 10:08:19 AM

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

To whom it may concern (c/o Julian Romero for SOLARIS WATER MIDSTREAM, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2310130251.

The sampling event is expected to take place:

When: 03/12/2024 @ 08:00

Where: B-11-23S-32E 125 FSL 330 FWL (32.32348,-103.64382)

Additional Information: Confirmation sampling is expected to begin on 03/12/2024 and last 3 to 4 weeks.

Additional Instructions: From the intersection of NM-176 and Co Rd 27 (GPS: 32.522548, -103.541653), head W on NM-176 for 4.93 mi, then S for 0.63 mi, then SW for 1.60 mi, then S for 0.83 mi, then SE for 8.79 mi, then W for 0.81 mi, then continue W for 0.71 mi, then S for 3.08 mi, then E for 0.02 mi to arrive at the release area

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

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

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

From: OCDOnline@state.nm.us
To: [Julian Romero](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 336840
Date: Tuesday, April 23, 2024 4:41:55 PM

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

To whom it may concern (c/o Julian Romero for SOLARIS WATER MIDSTREAM, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2310130251.

The sampling event is expected to take place:

When: 05/02/2024 @ 09:00

Where: B-11-23S-32E 125 FSL 330 FWL (32.32348,-103.64382)

Additional Information: Dominic Casarez

Phone: 432-813-1036, dominic@etechenv.com

Additional Instructions: From the intersection of NM-176 and Co Rd 27 (GPS: 32.522548, -103.541653), head W on NM-176 for 4.93 mi, then S for 0.63 mi, then SW for 1.60 mi, then S for 0.83 mi, then SE for 8.79 mi, then W for 0.81 mi, then continue W for 0.71 mi, then S for 3.08 mi, then E for 0.02 mi to arrive at the release area (GPS: 32.32348, -103.64382). Confirmation sampling is expected to begin on 05/02/24 and approximate 1 week

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

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

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Solaris Water, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O 575- 300-5155 C 469-978-5620
Contact email rob.kirk@ariswater.com	Incident # (assigned by OCD)
Contact mailing address 3305 Boyd Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.32348 Longitude -103.64382
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Urraca Booster Pump	Site Type Booster Pump on Produced Water Line
Date Release Discovered 04/10/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
B	11	23S	32E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 51 BBLs	Volume Recovered (bbls) 10 BBLs
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A hose fastener on the booster pump failed. The pump was being monitored and was turned off. The pump was stopped and the hose replaced.

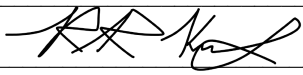
Oil Conservation Division

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 BBLs of Produced Water.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? NMOCD web portal NOR completed by Rob Kirk, email to NMOCD.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Rob Kirk	Title: VP & GM, HSE & Compliance
Signature: 	Date: 04/12/2023
email: rob.kirk@ariswater.com	Telephone: O 575- 300-5155 C 469-978-5620
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody


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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

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

Printed Name: Rob Kirk Title: VP, Environmental Compliance
Signature:  Date: 11 July 2024
email: rob.kirk@ariswater.com Telephone: O 432-203-9020 C 469-978-5620

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

Remediation Plan

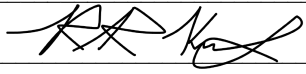
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Rob Kirk Title: VP, Environmental Compliance
Signature:  Date: 11 July 2024
email: rob.kirk@ariswater.com Telephone: O 432-203-9020 C 469-978-5620

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2310130251
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Rob Kirk Title: VP, Environmental Compliance
Signature:  Date: 11 July 2024
email: rob.kirk@ariswater.com Telephone: O 432-203-9020 C 469-978-5620

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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 363098

QUESTIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 363098
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2310130251
Incident Name	NAPP2310130251 URRACA BOOSTER PUMP @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	URRACA BOOSTER PUMP
Date Release Discovered	04/10/2023
Surface Owner	Federal

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: Equipment Failure Pump Produced Water Released: 51 BBL Recovered: 10 BBL Lost: 41 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)	Not answered.

District I

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Phone:(575) 393-6161 Fax:(575) 393-0720

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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, Page 2

Action 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:
	371643
	Action Number:
	363098
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	True
If all the actions described above have not been undertaken, explain why	Not answered.

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: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 07/11/2024
--	--

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

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Phone:(505) 334-6178 Fax:(505) 334-6170

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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

QUESTIONS, Page 3

Action 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:	371643
	Action Number:	363098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 500 and 1000 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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	Greater than 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	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 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	No

Remediation Plan

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.

Requesting a remediation plan approval with this submission	Yes
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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	18800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	4680
GRO+DRO	(EPA SW-846 Method 8015M)	3800
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	03/08/2024
On what date will (or did) the final sampling or liner inspection occur	05/25/2023
On what date will (or was) the remediation complete(d)	03/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	85823
What is the estimated volume (in cubic yards) that will be reclaimed	7947
What is the estimated surface area (in square feet) that will be remediated	85823
What is the estimated volume (in cubic yards) that will be remediated	7947

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.

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.

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1000 Rio Brazos Rd., Aztec, NM 87410
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Phone:(505) 476-3470 Fax:(505) 476-3462

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Energy, Minerals and Natural Resources
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QUESTIONS, Page 4

Action 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:	371643
	Action Number:	363098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 07/11/2024
<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 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 363098
	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 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:
	371643
	Action Number:
	363098
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	336840
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	9500

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	122706
What was the total volume (cubic yards) remediated	12060
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	122706
What was the total volume (in cubic yards) reclaimed	12060
Summarize any additional remediation activities not included by answers (above)	none

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: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 07/11/2024
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QUESTIONS, Page 7

Action 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:	371643
	Action Number:	363098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	122706
What was the total volume of replacement material (in cubic yards) for this site	12060

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.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	06/19/2024

Summarize any additional reclamation activities not included by answers (above)	none
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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 reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 07/11/2024
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QUESTIONS, Page 8

Action 363098

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 363098
	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 363098

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID:
	371643
	Action Number:
	363098
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	8/26/2024